

Sta. of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor Scott Hassett, Secretary

October 19, 2006

101 S. Webster St. Box 7921 Madison, Wisconsin 53707-7921 Telephone 608-266-2621 Fax 608-267-3579 TTY 608-267-6897

FILE CODE: 4560-1 FID # : 111081520 PERMIT #: 06-DCF-166

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Dow Didion - President Didion Milling, Inc. 501 South Williams Street Cambria, WI 53923

Dear Mr. Didion:

Your application for an air pollution control construction permit has been processed in accordance with s. 285.61, Wis. Stats.

The enclosed permit is issued to provide authorization for your source to Construction and initially operate in accordance with the requirements and conditions set forth within Parts I and II of the permit. Please read it carefully. This permit expires 18 months after the day this permit is issued. The source(s) covered in this permit may not operate after this permit expires unless a complete operating permit application for the source(s) has been submitted. Compliance information required to complete the operation permit application for the source(s) included in this construction permit should be submitted at least 4 months prior to the permit expiration date.

Enclosed with the permit is a bill for the cost of reviewing and acting upon your air pollution control permit. This bill is due and payable within 30 days of the date of the issuance of the permit. The remittance should be made payable to Wisconsin Department of Natural Resources and returned to the address on the bill. Please return one copy of the bill with your payment.

A copy of this permit should be available at the source for inspection by any authorized representative of the Department. Questions about this permit should be directed to the South Central Region Air Program, Reedsburg Area Office.

NOTICE OF APPEAL RIGHTS

If you believe that you have a right to challenge this decision, you should know that Wisconsin statutes establish time periods within which requests to review Department decisions must be filed.

To request a contested case hearing pursuant to s. 285.81, Wis. Stats., you have 30 days after the decision is mailed, or otherwise served by the Department, to serve a petition for a contested case hearing on the Secretary of the Department of Natural Resources. Any such petition for hearing shall set forth specifi-

EXHIBIT Ab 1/3/08 Didion Professional Reporters, End.

cally the issue sought to be reviewed, the interest of the petitioner, the reasons why a hearing is warranted and the relief desired.

For judicial review of a decision pursuant to ss. 227.52 and 227.53, Wis. Stats., you have 30 days after the decision is mailed, or otherwise served by the Department, to file your petition with the appropriate circuit court and serve the petition on the Department. Such a petition for judicial review shall name the Department of Natural Resources as the respondent.

This notice is provided pursuant to s. 227.48(2), Wis. Stats.

STATE OF WISCONSIN

DEPARTMENT OF NATURAL RESOURCES

Don C. Faith III

Air Management Engineer

cc: Michael Sloat — South Central Region Air Program, Reedsburg Area Office

Air Enforcement Branch - EPA, Region 5

Enclosure

BEFORE THE DEPARTMENT OF NATURAL RESOURCES AIR MANAGEMENT PROGRAM FINDINGS OF FACT CONCLUSIONS OF LAW AND DECISION

Findings of Fact

The Department of Natural Resources (DNR) finds that:

- Didion Milling, Inc., 501 South Williams Street, Cambria, Columbia, Wisconsin, has applied for an air pollution control construction permit. The authorized representative of the facility is Mr. Dow Didion, President.
- 2) Didion Milling, Inc. submitted an air pollution control permit application and plans and specifications and any additional information describing the air pollution source on May 26, 2006; June 9, 2006; June 26, 2006; July 14, 2006; July 20, 2006; July 31, 2006; August 2, 2006; August 15, 2006; August 18, 2006; August 29, 2006; August 31, 2006 and September 1, 2006.
- 3) DNR has reviewed Didion Milling, Inc.'s air permit application, plans, specifications and other information available to DNR.
- 4) DNR has prepared an analysis and a Preliminary Determination on the approvability of the permit application.
- 5) This permit is for the Construction of an air pollution source.
- 6) DNR has complied with the procedures set forth in s. 285.61, Wis. Stats.
- 7) The Department has received comments on the proposed action, and has considered these comments in making its final decision.
- 8) The proposed air pollution source meets all of the applicable criteria in s. 285.63, Wis. Stats.
- 9) DNR has complied with the requirements of s. 1.11, Wis. Stats., and ch. NR 150, Wis. Adm. Code.

Conclusions of Law

DNR concludes that:

- DNR has authority under s. 285.11(1), Wis. Stats., to promulgate rules contained in chs. NR 400 499, Wis. Adm. Code, including but not limited to rules containing emission limits, compliance schedules and compliance determination methods.
- 2) DNR has the authority under ss. 285.11(1), (5), and (6), 285.27 (1) and (2) and 285.65, Wis. Stats., and chs. NR 400 499, Wis. Adm. Code, to establish emission limits for sources of air pollution.
- 3) DNR has the authority to issue air pollution control permits and to include conditions in such permits under ss. 285.60, 285.61, 285.63 and 285.65, Wis. Stats.

- 4) The emission limits included in this permit are authorized by ss. 285.65, Wis. Stats., and chs. NR 400 -499, Wis. Adm. Code.
- 5) DNR is required to comply with s. 1.11, Wis. Stats., and ch. NR 150, Wis. Adm. Code, in conjunction with issuing an air pollution control permit.

Decision

Didion Milling, Inc. is authorized to construct and initially operate a 50 million gallon per year fuel grade ethanol production facility, and modification of a grain storage / drying operation as described in plans and specifications dated May 26, 2006; June 9, 2006; June 26, 2006; July 14, 2006; July 20, 2006; July 31, 2006; August 2, 2006; August 15, 2006; August 18, 2006; August 29, 2006; August 31, 2006 and September 1, 2006 in conformity with the emission limits, monitoring, recordkeeping and reporting requirements and specific and general conditions set forth in this permit.

AIR POLLUTION CONTROL CONSTRUCTION PERMIT

EI FACILITY NO: 111081520

PERMIT NO.: 06-DCF-166 - Construction

STACK NOS. S34, S35, S36; S30, S32, S33;

SOURCE NOS. B04, B05, B06, P30, P31, P32, P33, P34, P35, P36, P37, P38, P39, , P40, P41, , P42, P43, P44, P45, P46, P47,

F05; T01, T02, T03, T04, T05; S15, S16; S01, S08, S10, S11, S12, S14;

P41, , P42, P43, P44, P45, P46, P47, P48, P49, P50, P52, P53, P54, P55,

S17, S21, S22; F18; S37; F03, F04,

F05; T01, T02, T02, T03, T04, T05; B01, B02; P01, P08, P10, P11, P12, P14/P22/P23, P15, P19, P20, P16;

F06, F08.

P56, P57; F03, F04, F06, F08

This Authorization to Construct Expires Eighteen (18) Months From the Date of Issuance (and may be extended). The conditions of the construction permit are permanent, unless revised, modified, superseded or revoked.

In compliance with the provisions of Chapter 285, Wis. Stats., and Chapters NR 400 to NR 499, Wis. Adm. Code,

Name of Source: Didion Milling, Inc.

Street Address: 501 South Williams Street,

Cambria, Columbia County, Wisconsin

Responsible Official, & Title: Mr. Dow Didion, President

is authorized to construct a 50 million gallon per year fuel grade ethanol production facility, modify and operate a grain mill and fuel grade ethanol production facility described in the plans and specifications dated May 26, 2006; June 9, 2006; June 26, 2006; July 14, 2006; July 20, 2006; July 31, 2006; August 2, 2006; August 15, 2006; August 18, 2006; August 29, 2006; August 31, 2006 and September 1, 2006, in conformity with the conditions herein.

This authorization requires compliance by the permit holder with the emission limitations, monitoring requirements and other terms and conditions set forth in Parts I and II hereof.

Dated at Madison, Wisconsin

October 19, 2006

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
For the Secretary

Вy

Kevin Kessler

Acting Director, Bureau of Air Management

FID 111081520; Permit No. 06-DCF-166.

APPLICABLE LIMITATIONS AND REQUIREMENTS

A. Processes P30, P31, P32, P33, P34, P35; Control Device(s) C30, Stack(s) S30 – Slurry Tank (P30; 11,000 gal), Liquefaction Tank (P31; 58,200 gal), Fermentation Tank (P31; 58,200 gal), Fermentation Tanks #1 - #3 (P32 - P34; 560,200 ραΙου each). Beerwell (P35; 729,400 gal, tank). Fermentation Wet Scrubber (C30) [Conditions from 06-DCF-166]

Tanks #1 - #3 (P32 - P.	34; 560,200 gallon each), beerwel	Tanks #1 - #3 (P32 - P34; 560,200 gallon each), beerwell (P35; 7.29,400 gal. tank). Permentation wer at above (C30)	
Pollutant	a, Limitations	b, Compliance Demonstration	Reference Test Methods, Recordkeeping and Monitoring Requirements
		AND THE PROPERTY OF THE PROPER	
1. Volatile organic	(1) Latest Available Control		(1) Reference Test Method for Volatile Organic Compound
compound (VOC)	Techniques and operating	shall	Emissions: Whenever compliance emission testing is
Emissions	practices (LACT). LACT is		required, the appropriate U.S. EPA Method; 16 of 23/23/
	operation of a fermentation wet		shall be used to demonstrate computance. Use or interior
i	scrubber, as a part of the	16.10, Wis. Adm. Code and s. 285.65(1), Wis.	amissions as VOCs. When appropriately adjusted to retroct
	processes, achieving at least	Stats, j	convision test method may be cibethifed for the required
and the second	98% control of VOC emissions,	The state of the s	equivalent test motion and to substitute its instance for the NR 439 (16(3)/2) and (8). Wis. Adm. Codel
	and subsequent operation of a	(2) The pressure drop across the wet sections state.	
	carbon dioxide plant if there is	De maintained between 2 to 10 literies of water	(7) The namittee shell been and maintain on site technical
•	sufficient market for liquefied	column gauge pressure, or with written approval	(4) The permittee shall need and manners of the scribber.
	carbon dioxide. [s. NK	from the Department, an automaty sauge	Le ND 420 04(1)(4) Wis Adm Codel
	424.03(2)(c), Wis. Adm. Code]	determined to demonstrate compilance, [s. INN 407 00(1)(c) Wis 44m Code]	ייייי אייייי אייייי אייייי אייייי איייייי
·			(3) The facility shall monitor and record the flow rate of
	(2) 3.1 pounds per mour.	(2) Defend to initial atomit tentiam the formantation	water to the scrubber and the pressure drop across the
	(5.285.65(7), WIS. Stats.; S. INE.	(5) File to initial stack testing, are remissional	scrubber / demister at least once every 8 hours or once per
A.A.P.	100,10 alle 3, 111, 464,00(6)(7)	addition rate of at least 30.0 opm and not less than	day, whichever yields the greatest number of measurements.
	Wis. Aum. Couc.	the amount needed to achieve compliance with the	[s. NR 439,055(2)(b), Wis. Adm. Code]
s de cons ta		limitations. The flow rate may not be less than the	
o o o o o o o o o o o o o o o o o o o		level/range used during the most recent stack test	(4) The permittee shall keep records of all inspections,
		that demonstrated compliance, and not less than 25	checks and any maintenance or repairs performed on the
		gpm. [s, NR 445,04, Wis. Adm. Code]	scrubber, containing the date of the action, initials of
		3	inspector, and the results. [s. NR 439.04(1)(d), Wis. Adm.
		(4) The facility shall conduct a compliance	Codej
		emissions test of the wet scrubber to determine its	
		control efficiency, inlet concentration, exit	(5) Instrumentation to monitor the pressure drops and flow
		concentration, VOC and acetaldehyde emission	rates in the scrubber shall be installed and operated
SCON STANCE.		rate. This test shall be conducted within 180 days	properly. [s. NR 439.055(1)(a), Wis. Adm. Code]
		of initial operation. See additional stack testing	
		conditions under I.X.4. [s. NR 439.03, Wis. Adm.	(6) Refer to the Maltunction Prevention and Adatement remittenents of I X 3.
		[anon	Industrial of the second

The VOC emission limit of 3.1 pounds per hour is based on an estimated control efficiency of 98+% from the process wet scrubber. LACT applies as it has been determined that obtaining 85% control of the emissions from (exiting) the scrubber is not feasible under the standards applied under ch. NR 424, Wis. Adm. Code.

A. Processes P30, P31, P3 Tanks #1 - #3 (P32 - P3	32, P33, P34, P35; Control Device 34; 560,200 gallon each), Beerwel	Processes P30, P31, P32, P33, P34, P35; Control Device(s) C30, Stack(s) S30 — Slurry Tank (P30; 11,000 gal), Liquefaction Tank (P31; 58,200 gal), Fer Tanks #1 - #3 (P32 - P34; 560,200 gallon each), Beerwell (P35; 729,400 gal, tank). Fermentation Wet Scrubber (C30) [Conditions from 06-DCF-166]	Processes P30, P31, P32, P33, P34, P35; Control Device(s) C30, Stack(s) S30 — Slurry Tank (P30; 11,000 gal), Liquefaction Tank (P31; 58,200 gal), Fermentation. Tanks #1 - #3 (P32 - P34; 560,200 gallon each), Beerwell (P35; 729,400 gal. tank). Fermentation Wet Scrubber (C30) [Conditions from 06-DCF-166]
Pollutant	a, Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
			(7) The permittee shall retain on site current plans and specifications of these processes and of the Carbon Dioxide (CO ₂) collection process if subsequently installed. The facility shall also maintain records of operation of the Carbon Dioxide (CO ₂) collection process if installed. [s. NR 439.04(1)(d), Wis. Adm. Code]
2. Visible Emissions	(1) 20% Opacity [s. NR 431.05(1), Wis. Adm. Code]	(1) The requirements in 1.A.1.b. [s. 285.65(3), Stats.]	(1) Whenever visible emissions compliance testing is required, USBPA Method 9 in 40 CFR part 60, Appendix A, incorporated by reference in s. NR 484.04, Wis. Adm. Code shall be used. [s. NR 439.06(9)(a)1., Wis. Adm. Code] (2) The recordkeeping requirements in I.A.1.c. [s. NR 439.04, Wis. Adm. Code]
3. Acetaldehyde, Emissions	(1) Emissions may not exceed 0.75 pounds per hour. [5. NR 406.10, and s. NR 445.07, Wis. Adm. Code; s. 285.65(3), Wis. Stats.] (2) Stack Parameters These requirements are included because the source was reviewed with these stack parameters and it was determined that no increments or ambient air quality standards will be violated when constructed as proposed. (a) The stack height shall be at least 40.0 feet above ground	(1) Whenever any of the processes are in operation, and/or fermentation is occurring, the permittee shall direct the fermentation process exhausts to an operating, properly sized wet scrubber. [s. NR 406.10, Wis. Adm. Code and s. 285.65(7), Wis. Stats.] (2) The pressure drop across the wet scrubber shall be maintained between 2 to 10 inches of water column gauge pressure, or with written approval from the Department, an alternative range determined to demonstrate compliance. [s. NR 407.09(1)(c), Wis. Adm. Code] (3) Prior to initial stack testing, the fermentation wet scrubber shall have a water flow / fresh water addition rate of at least 30.0 gpm and not less than the amount needed to achieve compliance with the	 (1) Whenever Formaldehyde or other aldehyde (e.g. Acetaldehyde) compliance testing is required, USEPA Method 0011, shall be used. When approved in writing, an equivalent test method may be substituted for the required test method. [s. NR 439.06(8), Wis. Adm. Code] (2) The permittee shall keep and maintain on site technic, drawings, blueprints or equivalent records of the scrubber. [s. NR 439.04(1)(d), Wis. Adm. Code] (3) The facility shall monitor and record the flow rate of water to the scrubber and the pressure drop across the scrubber / demister at least once every 8 hours or once per day, whichever yields the greatest number of measurements. [s. NR 439.055(2)(b), Wis. Adm. Code] (4) The permittee shall keep records of all inspections, thecks and any maintenance or remain parformed on the
	level. [(s, 285.65(3), Stats.; s. NR 445.07 and s. NR 406.10,	limitations. The flow rate may not be less than the level/range used during the most recent stack test	scrubber, containing the date of the action, initials of inspector, and the results. [s. NR 439.04(1)(d), Wis. Adm.

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A. Processes P30, P31, P32, P33, P34, P35; Control Device(s) C30, Stack(s) S30 – Slurry Tank (P30; 11,000 gal), Liquefaction Tank (P31; 58,200 gal), Fermentation Tanks #1 - #3 (P32 - P34; 560,200 gallon each), Beerwell (P35; 729, 400 gal, tank). Fermentation Wet Scrubber (C30) [Conditions from 06-DCF-166]	b. Compliance Demonstration c. Reference Test Methods, Recordkeeping and Monitoring Requirements	that demonstrated compliance, and not less than 25 Code.] gpm. [s. NR 445.04, Wis. Adm. Code].	other (4) The permittee shall maintain the records in	[LA.3.c.(6) for stack parameters. [s. NR 407.09(4)(a)1,, Wis. Adm. Code]	(6) The permittee shall keep and maintain on site technical drawings, shellowings, blueprints or equivalent records of the physica. Adm. Codel stack parameters. [s. NR 439.04(1)(d), Wis. Adm. Code]	4). [s. NR 439.06, Wis. Adm.
Device(s) C30, Stack(s) S30 — Slurry Tar eerwell (P35; 729, 400 gal, tank). Ferm	b. Compliance Demonstration	that demonstrated compliance, an gpm. [s. NR 445.04, Wis. Adm. C	other			(6) See LA.1.b.(4), [s. NR 439.0 Code]
30, P31, P32, P33, P34, P35; Control D #3 (P32 - P34; 560;200 gallon each), Bee	a, Limitations	Wis. Adm. Code]	(b) The stack may not be equipped with a rainhat or other	device which impedes the upward flow of the exhaust	gases, [s. 285.65(3), Stats.; s. NR 445.07 and s. NR 406.10, Wis. Adm. Code!	
A. Processes Tanks #1 -	Pollutant	TO THE RESIDENCE OF THE PARTY O	and the second s			nyosstytypykkaidikkideställessäkkideställessäkkideställessäkkideställessäkkideställessäkkideställessäkkidestäl

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Process(es) P36, P37, P38, P39, P40, P41, P42, P43, P46, P45, P46, P47, P48, Control Device(s) C31, C32 Stack(s) S32 — Yeast Tank (P36;146,000 gall,), Distillation 5,707 gal/hr beer (Beer Column - P37, Stripper - P38, Rectifier - P39), Molecular Sieve (P40; 5707 gal/hr beer), Evaporator (P41; 16,030 DDGS solids/hr), Whole Stillage Tank (P42;; 138,200 gallons), Thin Stillage Tank (P43; 102,000 gallons), Syrup Tank (P44; 149,800 gallons), Centrifuges #1 - #4 (P45 - P48). Vent Gas Wet Scrubber (C31) [Conditions from 06-DCF-166]

1. Volatile organic (1) VOC emissions from the process are subject to the process are subject to the process are subject to the provide SS, an operating, properly sized wet scrubber (G31), Wis. Adm. Code and s. 285.65(7), Wis. Stats.] (2) The Regenerative Thermal Oxidizer (RTO) shall provide SS, and the processes may not emit and the broadout combined). [3. Refer to I.C.3.b. (3.) The permittee shall ke checks and any nainternal more than 6.05 pounds of VOC (3.) Wis. Stats.] (3) The processes may not emit more than 6.05 pounds of VOC (3.) Wis. Stats.] (4) Refer to the degination of the processes are in processes are subject to the RTO (C32/S32). [s. NR 429.04(1)(d), Wis. Adm. Code and s. 285.65(7), Wis. Stats.] (5) The permittee shall ke approach of permittee for the RTO (C32/S32). [s. NR 406.10, Wis. Adm. Code and s. 285.65(7), Wis. Stats.] (5) The permittee shall ke approach of the RTO (C32/S32). [s. NR 406.10, Wis. Stats.] (6) The Capture of the RTO (C32/S32). [s. NR 406.10, Wis. Stats.] (7) Wis. Stats. Adm. Code Saz. Stats.] (8) The permittee shall ke cherone Test Meet for the Maifunct of the RTO (C32/S32). [s. NR 439.04(1)(d), Wis. Meet for the Maifunct of the Mai	יייייייייייייייייייייייייייייייייייייי			
(1) VOC emissions from the processes are subject to the requirement to provide 85% control of process emissions. [5. NR 424.03(2)(a), Wis. Adm. Code] (2) The Regenerative Thermal directed to the RTO (C32/S32). [5. NR 406.10, Wis. Adm. Code] (3) The processes may not emit more than 6.05 pounds of VOC emissions. [5. 285.65(3) and (7), Wis. Stats.; s. NR 406.10, Wis. Adm. Code] (3) The processes may not emit more than 6.05 pounds of VOC per hour (aggregate) from stack S32 (from DDGS drying cooling, verit gas scribbing and loadout combined). [5. NR 424.03(2), Wis. Stats.]	Pollutant a,	Limitations	Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
process are subject to the requirement to provide 85% control of process emissions. [s. NR 424.03(2)(a), Wis. Adm. Code and s. 285.65(7), Wis. Adm. Code and s. 285.65(7), Wis. Stats.] (2) The Regenerative Thermal Oxidizer (RTO), shall provide 95% overall: control of VOC emissions. [s. 285.65(3) and (7), Wis. Stats.; s. NR 406.10, Wis. Adm. Code; s. 285.65(7), Wis. Stats.] (3) The processes may not emit more than 6.05 pounds of VOC per hour (aggregate) from stack S32 (from DOGS drying/cooling, vent gas scrubbing and loadout combined). [s. NR 424.03(2), Wis. Stats.]) VOC emissions from the	(i) Whenever any of the processes are in	(1) Reference Test Method for Volatile Organic Compound
requirement to provide 85% an operating, properly sized wet scrubber (C31). [s. NR 424.03(2)(a), Wis. Adm. Code and s. 285.65(7), Wis. Code] (2) The Regenerative Thermal Code] (2) The Regenerative Thermal Devide (C32/S32). [s. NR 406.10, Wis. Adm. Code and s. 285.65(7), Wis. Stats.; s. NR 406.10, Wis. Adm. Code; s. 285.65(7), Wis. Stats.] (3) The processes may not emit more than 6.05 pounds of VOC per hour (aggregate) from stack S32 (from DDGS drying / cooling, vent gas scrubbing and loadout combined). [s. NR 424.63(2), Wis. Stats.]	(AOC)	ocess are subject to the	operation, the permittee shall direct the exhausts to	Emissions: Whenever compliance emission testing is
424.03(2)(a), Wis. Adm. Stats.] (2) The exhaust from the wet scrubber shall be directed to the RTO (C32/S32). [s. NR 406.10, wis. Adm. Code and s. 285.65(7), Wis. Stats.] verall. control of VOC wis. Adm. Code and s. 285.65(7), Wis. Stats.] is. Stats.; s. NR 406.10, dm. Code] the processes may not emit han 6.05 pounds of VOC wit (aggregate) from stack com DDGS drying / s. vent gas scrubbing and t combined). [s. NR 424.03(2), dm. Code; s. 285.65(7), tats.]		quirement to provide 85% ntrol of process emissions.	an operating, properly sized wet scrubber (C31). [s. NR 406,10, Wis, Adm. Code and s. 285.65(7), Wis.	required, the appropriate U.S. EPA Method; 18 or 25/25A shall be used to demonstrate compliance. Use of Method
e Regenerative Thermal directed to the RTO (C32/S32), [s. NR 406.10, verall. control of VOC ons. [s. 285.65(7), Wis. Stats.] wis. Stats.; s. NR 406.10, dm. Code] re processes may not emit han 6.05 pounds of VOC mr (aggregate) from stack com DDGS drying / s, vent gas scrubbing and t combined). [s. NR 424.03(2), dm. Code; s. 285.65(7), tats.]	<u>.</u>	. NR 424.03(2)(a), Wis. Adm.		25/25A results shall be appropriately adjusted to reflect
(2) And Conducts from the wet Solubors start to directed to the RTO (C32/S32). [s. NR 406.10, Wis. Adm. Code and s. 285.65(7), Wis. Stats.] (3) Refer to I.C.3.b.	<u>ٽ</u>	[apo		emissions as VOCs. When approved in writing an
Wis. Adm. Code and s. 285.65(7), Wis. Stats.] (3) Refer to I.C.3.b.	(2)	.) The Regenerative Thermal		equivarent test method thay be substituted for the required test method. [s. NR 439.06(3)(a) and (8), Wis. Adm. Code]
d (3) Refer to I.C.3.b.	ô	xidizer (RTO), shall provide	Wis. Adm. Code and s. 285.65(7), Wis. Stats,]	
d (3) Refer to I.C.3.b.	66	5% overall control of VOC		(2) The permittee shall keep and maintain on site technical
			(3) Refer to I.C.3.b.	drawings, blueprints or equivalent records of the scrubber.
), Wis. Stats.; s. NR 406.10,		[s. NR 439.04(1)(d), Wis. Adm. Code]
	M	is. Adm. Code]		
		ı		(3) The permittee shall keep records of all inspections,
	(c)) The processes may not emit		checks and any maintenance or repairs performed on the
	<u>iii</u>	ore than 6.05 pounds of VOC		scrubber, containing the date of the action, initials of
	8 C	er hour (aggregate) from stack		inspector, and the results. [s. NR 439.04(1)(d), Wis. Adm.
8	S N	52 (from DDGS drying)		Code
"	8	boling, vent gas scrubbing and		
· ·	JO.	adout combined). [s. NR		(4) Refer to the Malfunction Prevention and Abatement
Wis, Stats,]	**	7is. Adm. Code; s. 285.65(7).		requirements of L.X.3.
	M	7is, Stats.]		

Case: 3:09-cv-00139-bbc

C. Stack, S32; Processes P49, P50; P52, P53; Controls, C32, C33 - DDGS Dryer (P49; 95.0 MMBTU/hr / 23 tons per hour DDGS), DDG Cooling Cyclone (P50, 23 tons per hour DDGS), w/ cyclones (C33) and RTO (C32; 12.0 MMBTU/hr) Railcar ethanol loadout (P52; 800 gpm), Tanker truck ethanol loadout (P53; 500 gpm) (2007) [Conditions from 06-DCF-166]

Conditions from 00-DCF-100	inot.	11	Ħ
Pollutant	a. Limitations	b. Compliance Demonstration	c. Reference lest methods, recordresping and Monitoring Requirements
1. Particulate Matter Emissions	(1) 3.6 pounds per hour. [s. 285.65(3), Wis. Stats.; s. NR 406.10, s. NR 415.05, and s. NR 404.04(8), Wis. Adm. Code] ²	(1) The control device cyclones (multiclones) shall be in line and shall be operated at all times when the dryer process is in operation. [s. NR 406.10 and s. NR 407.09(4)(a)1., Wis. Adm. Code] (2) The Regenerative Thermal Oxidizer, (RTO)	(1) Reference Test Method for Particulate Matter Emissions: Whenever particulate matter emission testing is required, the permittee shall use the appropriate U.S. EPA Method 5, 5A, 5B, 5D, 5E, 5F, 5G, 5H or 17 including condensable backhalf emissions (U.S. EPA Method 202). [s. NR 439:06(1), Wis. Adm. Code]
		shall be in line and shall be operated at all times when the drying process / cooling cyclone are in operation. [s. NR 406.10 and s. NR 407.09(4)(a)1., Wis. Adm. Code]	(2) The permittee shall monitor and record the pressure drop across the multicyclone at least once per operating shift. [s. NR 439.055., Wis. Adm. Code]
		(3) The RTO control (setpoint) temperature shall be maintained within the range of least 1400° F, not more than 1650° F and not less than the temperature maintained during the most recent compliance demonstration test that demonstrates	(3) The permittee shall monitor and record the operating temperature of the RTO, dryers (at least once every 15 minutes), and other operating parameters as needed, to assure proper operation of the dryers and RTO [s. NR 439.055, Wis. Adm. Code]
		compliance. [s Nr. 407.09(4)(4)1., wis. ratin. Code]	(4) The permittee shall keep records of all inspections, checks and any maintenance or repairs performed on the multicyclone and RTO, containing the date of the action, initials of inspector, and the results. [s. NR 439.04(1)(d), Wis. Adm. Code]
			(5) The permittee shall record the actual amounts of natural gas burned in the dryer, per month. [s. NR 439.04(1)(d), Wis. Adm. Code.]

² This emission limit is needed to avoid any exceedance of an ambient air standard or increment. The emission limit is more restrictive than the limitation which would result under s. NR 415.05, Wis. Adm. Code.

C. Stack, S32; Processes P49, per hour DDGS), w/ cyclones (Conditions from 06-DCF-166)	P50; P52, P53; Controls, C33) and RTO (C32; 12.0	C32, C33 - DDGS Dryer (P49; 95.0 MMBTU/hr / 23 tons per hour DDGS), DDG Cooling Cyclone (P50 MMBTU/hr) Railcar ethanol loadout (P52, 800 gpm), Tanker truck ethanol loadout (P53, 500 gpm)	C32, C33 - DDGS Dryer (P49; 95.0 MMBTU/hr / 23 tons per hour DDGS), DDG Cooling Cyclone (P50, 23 tons MMBTU/hr) Railcar ethanol loadout (P52, 800 gpm), Tanker truck ethanol loadout (P53, 500 gpm) (2007)
Pollutant	a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
Particulate Matter Emissions [Continued]		(4) The pressure drop across the multiclones shall be maintained between 1 and 6 inches water column or with approval from the Department, an alternative range determined to demonstrate compliance. [s NR 407.09(4)(a)1., Wis. Adm. Code]	(6) The facility shall maintain prints, diagrams and other documentation of the process layout and of the multiclone design, specifications and emission guarantees. [s. NR 439.04, Wis. Adm. Code] (7) Refer to the Malfunction Prevention and Abatement requirements of LX.3.
		C a C a F A	
		 (a) PM emission rate. (b) VOC emission rate, including destruction eff., (inlet and outlet emissions from RTO). (c) NO_x emission rate. (d) CO emission rate, including destruction eff., (inlet and outlet emissions from RTO). (e) Acetaldehyde emission rate. (f) See additional stack testing conditions under I.X.4. [s. NR 439.03, Wis. Adm. Code] 	
2. Visible Emissions	(1) 20% Opacity [s. NR 431.05(1), Wis. Adm. Code]	(1) See I.C.1.b	(1) Whenever visible emissions compliance testing is required, USEPA Method 9 in 40 CFR part 60, Appendix A, incorporated by reference in s. NR 484.04, Wis. Adm. Code shall be used. [s. NR 439.06(9)(a)1., Wis. Adm. Code] (2) See I.C.1.c.

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C. Stack, S32; Processes P49, P50; P53; Controls, C32, C33 - DDGS Dryer (P49; 95.0 MMBTU/hr / 23 tons per hour DDGS), DDG Cooling Cyclone (P50, 23 tons per hour DDGS), w/ cyclones (C33) and RTO (C32; 12.0 MMBTU/hr) Railcar ethanol loadout (P52; 800 gpm), Tanker truck ethanol loadout (P53; 500 gpm) (2007) [Conditions from 06-DCF-166]

Conditions from 06-DCF-166	1001		
Pollutant	a, Limitations	b. Compliance Demonstration	c, Reference Test Methods, Recordkeeping and Monitoring Requirements
3. Volatile Organic Compounds (VOC) Emissions (from DDGS Dryer)	(1) VOC emissions from the process are subject to the requirement to provide 85% control of process emissions. [s. NR 424.03(2)(a), Wis. Adm. Code] (2) The Regenerative Thermal Oxidizer (RTO), shall provide 95% overall control of VOC emissions. [s. 285.65(3) and (7), Wis. Stats.; s. NR 406.10, Wis. Adm. Code] (3) The processes may not emit more than 6.05 pounds of VOC per hour (aggregate) from stack S32 (from DDGS drying / cooling, vent gas scrubbing and loadout combined). [s. NR 406.10, and s. NR 424.03(2), Wis. Adm. Code; s. 285.65(7), Wis. Stats.]	(1) The Thermal Oxidizer (Regenerative Thermal Oxidizer, RTO) shall be in line and shall be operated at all times when the process is in operation and when emissions are being directed to the RTO (e.g. grain drying and/or loadout operations). [s. NR 406.10 and s. NR 407.09(4)(a)1., Wis. Adm. Code] (2) See I.C.1.b.(5) for testing requirements. (3) The RTO control (setpoint) temperature shall be maintained within the range of least 1400° F, not more than 1650° F and not less than the temperature maintained during the most recent compliance demonstration test that demonstrates compliance. [s NR 407.09(4)(a)1., Wis. Adm. Code]	(1) Reference Test Method for Volatile Organic Compound Emissions. Whenever compliance emission testing is required, the appropriate U.S. EPA Method; 18 or 25A shall be used to demonstrate compliance. Use of Method 25/25 results shall be appropriately adjusted to reflect emission as VOC's. When approved in writing an equivalent test method may be substituted for the required test method. [s. NR 439.06(3)(a) and (8), Wis. Adm. Code] (2) The permittee shall keep records of all inspections, checks and any maintenance or repairs performed on the RTO, containing the date of the action, initials of inspector, and the results. [s. NR 439.04(1)(d), Wis. Adm. Code] (3) The permittee shall monitor and record the operating temperature of the RTO, dryers (at least once every 15 minutes), and other operating parameters as needed, to assure proper operation of the dryers and RTO [s. NR 439.055, Wis. Adm. Code] (4) Refer to the Malfunction Prevention and Abatement requirements of LX.3.
4. Volatile Organic Compound (VOC) emissions (from rail and truck loadout)	(1) No person may cause, allow or permit emissions of volatile organic compounds to the ambient air which substantially contribute to the exceeding of an air standard or cause pollution [s. NR 419.03(1), Wis. Adm. Code]. (2) No transfer of products from this facility may be made	(1) To demonstrate compliance with gasoline/organic vapor collection system limitation, the permittee shall provide vapor collection/processing/disposal equipment at loading bays for all products distributed at this facility to ensure that any organic vapors are processed and disposed of through a vapor processing and disposal system. A vapor collection/control system shall be used at all times. [s. NR 406.10, s. NR 445.04(3), and s. NR 407.09(4)(a)(3)(b), Wis. Adm. Code]	(1) Reference Test Method for Volatile Organic Compound Enissions: Whenever compliance emission testing is required, the appropriate U.S. EPA Method; 18 or 25A shall be used to demonstrate compliance. Use of Method 25/25A results shall be adjusted to reflect emissions as VOCs. When approved in writing an equivalent test method may be substituted for the required test method. [s. NR 439.06(3)(a) and (8), Wis. Adm. Code] (2) The permittee shall monitor and maintain daily records of the specific materials being transferred (loaded and

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C. Stack, S32; Processes P49, P50; P52, P53; Controls, C32, C33 - DDGS Dryer (P49; 95.0 MMBTU/hr / 23 tons per hour DDGS), DDG Cooling Cyclone (P50, 23 tons per hour DDGS), w/ cyclones (C33) and RTO (C32; 12.0 MMBTU/hr) Railcar ethanol loadout (P52; 800 gpm), Tanker truck ethanol loadout (P53; 500 gpm) (2007)

[Conditions from 06-DCF-166]	166]		
Pollutant	a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
	to a tanker truck / railcar unless any gasoline or other organic	(a) The permittee may only load tank trucks and rail cars at the facility that are equipped with vapor	unloaded), the throughput / quantity of material(s) and their true vapor pressure (in psia or KPa) and the trucks and
	vapors carried by the tanker / rail car are collected, processed	collection equipment that is compatible with the facility's vapor collection system.	railcars used. [s. NR 419.06, Wis. Adm. Code]
	and disposed of through a vapor	09(1)(a) and NR 439.055(5), Wis.	(3) The permittee shall keep and maintain on site "as built"
-	disposal system (RTO). [s. NR	Adm. Code] (b) Each vapor collection system shall be designed	recinical gravings, buteprints or equivalent records of the piping for the loading / unloading operations, and the vape
	406.10, s. NR 419.03(2) and s.	to prevent any organic compound vapors collected	processing equipment. The permittee shall keep and
	NK 445.04(3), WIS. Adm. Code].	at one loading rack from passing to another loading rack.	maintain a log of the tankers / railcars authorized to load Ethanol at the facility [s. 285.65(3), Stats., and NR
·	(3) The RTO control device	[s. NR 407.09(1)(a), Wis. Adm. Code, and s. 285,65(3). Wis. Stats.]	439.04(1)(d), Wis. Adm. Code]
	shall be designed and operated		(4) The facility shall maintain daily records of the usage of
	to reduce the inlet VOC		the vapor collection / disposal equipment. [s. NR 439.04,
	emissions by 95% or greater.	be in line and shall be operated at all times when	Wis, Adm, Code]
	[s. NR 406.10, Wis. Adm.	emissions are being directed to the RTO (e.g. when	
	Code	444	(5) The permittee shall keep records of all inspections,
		conducted). [s. NR 406.10 and s. NR	checks and any maintenance or repairs performed on the
	(4) The processes may not emit	407.09(4)(a)1., Wis, Adm. Code]	collection system and RTO, containing the date of the
	more than 6.05 pounds of VOC		action, miniate of mispector, and the results. [5, 1977]
enconice at Princip	per hour (aggregate) from stack	(3) The loading racks shall be equipped with interlocks that prevent loading in the event the RTO	459.04(1)(d), W Is. Adm. Codej
·	cooling, vent gas scrubbing and	is not in operation. [s. NR 406.10 and s. NR	(6) The permittee shall monitor and record the operating
	ned)	407,09(4)(a)1,, Wis. Adm. Code]	temperature of the RTO (at least once every 15 minutes), to
-	NR 406.10, and s. NR 424.03(2) Wis Adm Coders	(4) The RTO control (setpoint) temperature shall	assure proper operation of the K1O [s. NK 439,055, Wi. Adm. Code]
	285.65(7), Wis. Stats.]	be maintained within the range of least 1400° F,	•
		not more than 1650° F and not less than the	(7) Refer to the Maifunction Prevention and Abatement
•		stack test that demonstrates compliance for NR	industriality of their
		407.09(4)(a)1., Wis. Adm. Code]	

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					** COMMITTEE MANAGEMENT
C. Stack, S32; Processes P49, P50; P52, P53; Controls, C32, C33 - DDGS Dryer (P49; 95.0 MMBTU/hr / 23 tons per hour DDGS), DDG Cooling Cyclone (P50, 23 tons per hour DDGS), w/ cyclones (C33) and RTO (C32; 12.0 MMBTU/hr) Railcar ethanol loadout (P52, 800 gpm), Tanker truck ethanol loadout (P53, 500 gpm), (2007) [Conditions from 06-DCF-166]	c, Reference Test Methods, Recordkeeping and Monitoring Requirements	(1) Whenever nitrogen oxides compliance testing is required, USEPA Method 7, 7A, 7E, or another method approved by the Department in writing shall be used. When approved in writing, an equivalent test method may besubstituted for the required test method. [s. NR 439.06(Wis. Adm. Code] (2) The permittee shall keep records of the fuel used in the dryers and oxidizer to show that only natural gas was used, [s. NR 439.04(1)(d), Wis. Adm. Code]	(3) The permittee shall record the actual amounts of natural gas burned in the dryers / oxidizer, per month. [s. NR 439.04(1)(d) and s. NR 440.205(9)(g)2., Wis. Adm. Code.]	(4) The permittee shall monitor and record the operating temperature of the RTO, dryers (at least once every 15 minutes), and other operating parameters as needed, to assure proper operation of the dryers and RTO [s. NR 439.055, Wis. Adm. Code]	(5) Refer to the Malfunction Prevention and Abatement requirements of L.X.3.
2, C33 - DDGS Dryer (P49; 95.0 MMBTU/hr / 23 tor MBTU/hr) Railcar ethanol loadout (P52, 800 gpm),	b. Compliance Demonstration	(1) Only natural gas may be used as fuel in the dryers and RTO (note that this does not prohibit the combustion of VOCs produced by the process). [s. 285.63, Wis. Stats, s. NR 406.10, Wis. Adm. Code] (2) Instrumentation to monitor the temperature within the RTO and dryers shall be installed and operated properly. [s. NR 439.055(1)(a), Wis. Adm. Code]	(4) See I.C.1.b.(3)		
249, P50; P52, P53; Controls, C33 tes (C33) and RTO (C32; 12.0 MI 166]	a. Limitations	(1) Emissions may not exceed 7.8 pounds per hour (from Stack S32). [s. NR 406.10, Wis. Adm. Code]			
C. Stack, S32; Processes P49, per hour DDGS), w/ cyclones ((Conditions from 06-DCF-166)	Pollutant	5. Nitrogen Oxides (NO _x) Emissions			

C. Stack, S32; Processes P49, P56; P52, P53; Controls, C32, C33 - DDGS Dryer (P49; 95.0 MMBTU/hr / 23 tons per hour DDGS), DDG Cooling Cyclone (P50, 23 tons per hour DDGS), w/ cyclones (C33) and RTO (C32; 12.0 MMBTU/hr) Railcar ethanol loadout (P52, 800 gpm), Tanker truck ethanol loadout (P53, 500 gpm) (2007) [Conditions from 06-DCF-166]

OUT TO THE WEST STREET			
Pollutant	a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
6. Carbon Monoxide (CO) Emissions	(1) Emissions may not exceed 12.5 pounds per hour (from Stack S32). [5. NR 406.10, Wis. Adm. Codel	(1) Only natural gas may be used as fuel in the dryers and RTO (note that this does not prohibit the combustion of VOC's produced by the process). [s. 285.63, Wis. Stats; s. NR 406.10, Wis. Adm. Code]	(1) Reference Test Method for Carbon Monoxide Emissions: Whenever compliance emission testing is required, the appropriate US EPA Method; 10, 10A or 10B shall be used. [s. NR 439.06(4)(a), Wis. Adm. Code]
	(2) The Regenerative Thermal Oxidizer (RTO), shall provide 90% overall control of CO	(2) Whenever any of the listed processes are operating, the permittee shall vent the process exhausts to the RTO. [s. NR 406.10, Wis. Adm. Codel	(2) The permittee shall keep records of the fuel used in the dryers and oxidizer to show that only natural gas or propane was used. [s. NR 439.04(1)(d), Wis. Adm. Code]
	emissions. [s. 285,65(3) and (7), Wis. Stats.]	(3) Instrumentation to monitor the temperature within the RTO and dryers shall be installed and operated properly. [s. NR 439.055(1)(a), Wis. Adm. Codel	(3) The permittee shall record the actual amounts of natural gas and propane burned in the dryers / oxidizer, per month. [s. NR 439.04(1)(d) and s. NR 440.205(9)(g)2., Wis. Adm. Code.]
		(4) See I.C.1.b.(3)(5) See I.C.1.b.(5) for testing requirements.	(4) The permittee shall monitor and record the operating temperature of the RTO, dryers (at least once every 15 minutes), and other operating parameters as needed, to assure proper operation of the dryers and RTO [s. NR 439.055, Wis. Adm. Code]
			(5) Refer to the Malfunction Prevention and Abatement requirements of I.X.3.

Pollutant at	a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements	
7. Acetaldehyde Emissions	(1) Emissions may not exceed 0.53 pounds per hour. [s. NR 406.10, and s. NR 445.07, Wis. Adm. Code; s. 285.65(3), Wis. Stats.]	(1) The Thermal Oxidizer (Regenerative Thermal Oxidizer, RTO) shall be in line and shall be operated at all times when the process is in operation and when emissions are being directed to the RTO (i.e. loadout operations). [s. NR 406.10 and s. NR 407.09(4)(a)]. Wis, Adm. Codel	(1) Whenever Formaldehyde or other Aldehyde (e.g. Acetaldehyde) compliance testing is required, USEPA Method 0011, shall be used. When approved in writing, an equivalent test method may be substituted for the required test method. [s. NR 439.06(8), Wis. Adm. Code]	constructive description and market processing.
		(2) Instrumentation to monitor the temperature within the RTO and dryers shall be installed and operated properly. [s. NR 439.055(1)(a), Wis. Adm. Code]	(2) The permittee shall monitor and record the operating temperature of the RTO, dryers (at least once every 15 minutes) and other operating parameters, as needed, to assure proper operation of the dryers and RTO [s. NR 439.055, Wis. Adm. Code]	-
		(3) See I.C.3.a.(2) (4) I.C.1.b.(5) for testing requirements.	(3) Refer to the Malfunction Prevention and Abatement requirements of I.X.3.	T
8. Physical Stack Parameters	(1) Stack Parameters These requirements are included because the source was reviewed with these stack	(1) The permittee shall maintain the records in I.C.8.c.(1). [s. NR 407.09(4)(a)1., Wis. Adm. Code]	(1) The permittee shall keep and maintain on site technical drawings, blueprints or equivalent records of the physical stack parameters. [s. NR 439.04(1)(d), Wis. Adm. Code]	
	parameters and n was determined that no increments or ambient air quality standards will be violated when constructed as proposed. (a) The stack height shall be at least 90.0 feet above ground			
	level. [(s. 285.65(3), Stats. and s. NR 406.10, Wis. Adm. Code] (b) The stack inside diameter at the outlet may not exceed 5.0 feet. [s. 285.65(3), Stats. and s. NR 406.10, Wis. Adm. Code]			·

C. Stack, S32; Processes	P49, P50, P52, P53, Controls, C32	J, C33 - DDGS Dryer (P49; 95.0 MMBTU/hr / 23 to	C. Stack, S32; Processes P49, P50; P52, P53; Controls, C32, C33 - DDGS Dryer (P49; 95.0 MMBTU/hr / 23 tons per hour DDGS), DDG Cooling Cyclone (P50, 23 tons
per hour DDGS), w/ cyclones (([Conditions from 06-DCF-166]	nes (C33) and RTO (C32; 12.0 MI -166]	MBTU/hr) Railcar ethanol loadout (P52, 800 gpm),	per hour DDGS), w/ cyclones (C33) and RTO (C32; 12.0 MMBTU/hr) Railcar ethanol loadout (P52, 800 gpm), Tanker truck ethanol loadout (P53, 500 gpm) (2007) [Conditions from 06-DCF-166]
Pollutant	a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
	(c) The stack may not be		
	equipped with a rainhat or other		
	device which impedes the	-	
	upward flow of the exhaust		
	gases. [s. 285.65(3), Stats. and		
	s. NR 406.10 Wis. Adm. Code)	-	

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-DDGS Elevator (P54), DDGS loadout (P55) controlled with DDGS baghouse (C33); F03, F04 - DDGS storage	
- DDGS Elevator (P54), DDGS loadout (P55) controlled wit	[Conditions from 06-DCF-166]
rol C33,	(2007)
D. Stack, S33; Processes P54, P55; Cont	building and DDGS Handling fugitives.

building and DUGS mand	building and DDGS Handing jugitives. (2007) [Conditions from 00-DCF-100]	as irom vo-ucr-100j	THE PROPERTY OF THE PROPERTY O
Pollutant	a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
1. Particulate Matter (PM / PM:) Emissions	(1) 0.29 pounds per hour from S33 Fe 285 65(3) Wis State:	(1) The DDGS baghouse control device shall be in line and shall be operated at all times when the	(1) Reference Lest Method for Particulate Matter Emissions: Whenever particulate matter emission testing is
THE PROPERTY OF THE PROPERTY O	s. NR 406.10 and s. NR	process is in operation. Is. NR 406.10 and s. NR	required, the permittee shall use the appropriate U.S. EPA
	404,04(8), Wis. Adm. Code] 3	407.09(4)(a)1., Wis. Adm. Code]	Method 5, 5A, 5B, 5D, 5E, 5F, 5G, 5H or 17 including
	(2) 0.20 lbs/hr for F03	(2) The pressure drop across the baghouse shall be	condensable back nair emissions (U.S. Er'A Method 202). [S. NR 439.06(1), Wis. Adm. Code]
	fugitives, 0.13 lbs/hr for F04	maintained between 1 and 6 inches water column	
The state of the s	fugitives. [s. 285.65(3), Wis.	gauge pressure or with approval from the	(2) The permittee shall monitor and record the pressure drop
-	Stats.; s. NR 406.10 and s. NR	Department, an alternative range determined to	across the baghouse at least once per operating shift. [s. NR
drast er state	404.04(8), wis. Adm. Codej	demonstrate compilance. [s lvk 40/.09(4)(a)1., Wis. Adm. Code!	455,055., Wis. Autil. Codej
	(3) Stack Parameters These		(3) The permittee shall keep records of all inspections,
	requirements are included	(3) The DDGS loading area shall be enclosed in	checks and any maintenance or repairs performed on the
	because the source was	roofed, four sided area with garage type doors. The	baghouse, containing the date of the action, initials of
	reviewed with these stack	garage doors shall be kept closed to the extent	inspector, and the results. [s. NR 439.04(1)(d), Wis. Adm.
	parameters and it was	possible, to minimize particulate emissions through	Code]
	determined that no increments	the openings (e.g. opening doors only as needed to	
	or ambient air quality standards	allow entrance and exit of trucks, but allowing them	(4) The permittee shall maintain records of the occurance
	will be violated when	to remain open briefly when multiple trucks are	of door movement, door position or other records sufficient
	constructed as proposed.	entering and exiting the enclosure.). [s. 285.65(3),	to demonstrate that the doors are being kept closed to the
	(a) The stack height shall be at	Wis. Stats.; s. NR 406.10, Wis. Adm. Code]	extent possible (e.g. a count of the times when the doors are
	least 60.0 feet above ground		opened or closed, an hour meter for the door motors, a dor
	level. [(s. 285.65(3), Stats. and	(4) The permittee shall maintain the records in	position recording every 15 minutes, or other equivalen.
	s. NR 406.10, Wis. Adm. Code]	LD.1.c.(6) for stack parameters. [s. NR	record) when the facility is in operation. The facility shall
· ·		407.09(4)(a)1., Wis. Adm. Code]	also maintain records of the number of trucks loaded per
	(b) The stack inside diameter		shift when the facility is in operation. [s. NR 439.04, Wis.
	at the outlet may not exceed	(5) The fabric filter baghouse design shall be that	Adm, Code]
	1.47 feet. [s. 285.65(3), Stats.	necessary to achieve an outlet concentration of not	
	and s. NR 406.10, Wis. Adm.	more than 0.0050 gr/acf. This and the maximum	(5) The facility shall maintain prints, diagrams and other
nina anti-	Code	inlet flow of 6,800 ACFM are the basis for the PM	documentation of the process layout and of the baghouse
		limitation. [s. NR 406.10, Wis. Adm. Code]	design, specifications and guarantees. [s. NR 439.04, Wis.
7			AOM: COCE

³ This emission limit is needed to avoid any exceedance of an ambient air standard or increment. The emission limit is more restrictive than the limitation which would result under s. NR 415.05, Wis. Adm. Code.

D. Stack, S33; Frocesses. building and DDGS Handl	D. Stack, S33; Processes P54, P55; Control C33, - DDGS Elevator (P54), DDGS building and DDGS Handling fugitives. (2007) [Conditions from 06-DCF-166]	D. Stack, S33; Processes P54, P55; Control C33, - DDGS Elevator (P54), DDGS loadout (P55) controlled with DDGS baghouse (C33); F03, F04 - DDGS storage building and DDGS Handling fugitives. (2007) [Conditions from 06-DCF-166]	DDGS baghouse (C33); F03, F04 - DDGS storage
Pollutant	a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
	(c) The stack may not be equipped with a rainhat or other device which impedes the upward flow of the exhaust gases. [s. 285.65(3), Stats. and s. NR 406.10, Wis. Adm. Code]	(6) Compliance with I.D.1.a.(2) shall be demonstrated using I.D.1.b.(3). [s NR 407.09(4)(a)1., Wis. Adm. Code] (7) Compliance emission tests shall be conducted within 180 days after the start of initial operation to demonstrate compliance with the PM emission limit and outlet grain loading (gr/dscf). See additional stack testing conditions under I.X.4 [s. NR 439.03, Wis. Adm. Code]	(6) The permittee shall keep and maintain on site technical drawings, blueprints or equivalent records of the physical stack parameters. [5. NR 439.04(1)(d), Wis. Adm. Code [7] The facility shall maintain records / documentation of the fabric filter baghouse design, testing, maximum exhaust flows, fan / blower information and emission guarantees which document the baghouse is designed to achieve the noted outlet concentration, and emission limit. [s. NR 439.04(1)(d), Wis. Adm. Code] (8) Refer to the Malfunction Prevention and Abatement
			requirements of L.X5.
2. Visible Emissions	(1) 20% Opacity for stack vented emissions [s. NR 431.05(1), Wis. Adm. Code] (2) 0% visible emissions for fugitives [s. NR 415.04, Wis. Adm. Code]	(1) See I.D.1.b and 3.b.	(1) Whenever visible emissions compliance testing is required, USEPA Method 9 or Method 22 (for fligitives) in 40 CFR part 60, Appendix A, incorporated by reference in s. NR 484.04, Wis. Adm. Code shall be used. [s. NR 439.06(9)(a)1., Wis. Adm. Code] (2) See I.D.1.c. and 3.c
3. Fugitive Emissions	(1) No person may cause, allow or permit any material to be handled, transported or stored without taking precaution to prevent particulate matter from becoming airborne. [s. NR 415.04, Wis. Adm. Code]	(1) The permittee shall comply with the requirements established in LX.8.b. for demonstrating compliance with the limitations in I.D.3.a.(1) [s. 285.65(3), Wis. Stats.]	(1) The permittee shall comply with the requirements established in I.X.8.c. for recordkeeping and monitoring requirements. [s. 285.65(3), Wis. Stats.]

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Burners, BO4, BO5 Stack(s) S34, S35 - Two natural gas fired Boilers, 92.05 MMBTU/hr each. These boilers are subject to NSPS [s. NR 440.207, Wis. Adm. Code]. [Conditions from 06-DCF-166]

compliance testing is 7E, or another method (2) The permittee shall record monthly the type and quantity of fuel (e.g. natural gas) used in the boilers, [s. NR 440.207(9)(g), Wis. Adm. Code] نی [s. NR (2) The permittee shall record monthly the type and quanti., of fuel (e.g. natural gas) used in the boilers. [s. NR required, USEPA Method 9 in 40 CFR part 60, Appendix A, incorporated by reference in s. NR 484.04, Wis. Adm. approved by the Department in writing shall be used. NR 439.06(6), Wis. Adm. Code] (including condensable particulate by US EPA Method (1) Whenever visible emissions compliance testing is Code shall be used. [s. NR 439.06(9)(a)1., Wis. Adm. (2) The permittee shall record monthly the type and quantity of fuel (e.g. natural gas) used in the boilers. 439.04 and s. NR 440.207(9)(g), Wis. Adm. Codel Reference Test Methods, Recordkeeping and Monitoring Requirements required, the permittee shall use US BPA Method 5 (1) Whenever particulate matter emission testing is 202). [s. NR 439.06(1), Wis. Adm. Code] required, USEPA Method 7, 7A, oxides 440.207(9)(g), Wis. Adm. Code] (1) Whenever nitrogen Code ن (1) Only natural gas may be used as a fuel. This is the only fuel listed in the permit application. [s. NR (1) Only natural gas may be used as a fuel. [s. NR 406.04(2) and s. NR 406.10, Wis. Adm. Code] (3) Each boiler shall be properly tuned and maintained, in accordance with the manufacturer's prevention and abatement plan section, I.X.3., also specifications and requirements. The malfunction (1) Only natural gas may be used as a fuel. [s. NR 406.04(2) and s. NR 406.10, Wis. Adm. Code] applies to the boilers. [s. NR 439.11, Wis. Adm. Compliance Demonstration 406.10, Wis. Adm. Code] (2) See I.E.3.b.(2) (1) 0.04 pounds per million BTU [s. 285.65(3), s. 285.65(7), Wis. Stats.] (1) 0.00745 pounds per million BTU⁴ (s. 285.65(7), Wis. Stats.; s. NR 404.08(2) and s. NR 415.06, Wis. Adm. Code] 431.05(1), Wis. Adm. Code] (1) 20% Opacity [s. NR when firing natural gas Limitations 2. Visible Emissions Partículate Matter 3. Nitrogen Oxides (NO_x) Emissions Emissions Pollutant

⁴ This emission limit (based on the AP-42 Emission Factor of 7.6 lbs/cf6, and a fuel containing 1020 BTU/cf) is proposed by the permittee to avoid any exceedance of the ambient air standard or increment. The emission limit is more restrictive than that in s. NR 415.06(2)(a), Wis. Adm. Code (0.15 lbs/MMBTU).

⁵ This emission limits (based on the manufacturer noted value of 0.04 lbs/MMBTU for NOx and 0.028 lbs/MMBTU for CO) is proposed by the permittee to avoid being a major source

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E. Burners, B04, B05 Stack(s) S34, S35 - Two natural gas fired Boilers, 92.05 MMBTU/hr each. These boilers are subject to NSPS [s. NR 440.207, Wis. Adm. Code].

c. Reference Test Methods, Recordkeeping and Monitoring Requirements	(3) The facility shall maintain records of the burners installed within the boilers, documentation of the burner specifications, emission guarantees and emission tests. [s. NR 439.04(1)(d) and s. NR 440.205(9)(g)2., Wis. Adm. Code.]	(1) Reference Test Method for Carbon Monoxide Emissions: Whenever compliance emission testing is required, the appropriate US EPA Method; 10, 10A or 10B shall be used. [s. NR 439.06(4)(a), Wis. Adm. Code] (2) See I.E.3.c.(2) and (3)
b. Compliance Demonstration	(2) The facility shall conduct a compliance emissions test of each type (model) of boiler to determine the Particulate Matter, and Nitrogen Oxides (NO _X) emissions in units of pounds per million BTU of heat input. This test shall be conducted within 180 days of initial operation. See additional stack testing conditions under I.P.3. [s. NR 439.03, Wis. Adm. Code] (3) Each boiler shall be properly tuned and maintained, in accordance with the manufacturer's specifications and requirements. The malfunction prevention and abatement plan section, I.X.3., also applies to the boilers. [s. NR 439.11, Wis. Adm. Code].	 (1) Only natural gas may be used as a fuel. This is the only fuel listed in the permit application. [s. NR. 406.10, Wis. Adm. Code] (2) The facility shall test the carbon monoxide (CO) emission rate from each boiler to determine the emissions in units of pounds per million BTU of heat input. This test shall be conducted within 180 days of initial operation. [s. NR 439.03, Wis. Adm. Code] (3) Each boiler shall be properly tuned and maintained, in accordance with the manufacturer's specifications and requirements. The malfunction prevention and abatement plan section, I.P.6., also applies to the boilers. [s. NR 439.11, Wis. Adm. Code].
Limitations		(1) 0.028 pounds per million BTU when firing natural gas
Conditions from U6-DCF-166 Pollutant a.		4. Carbon Monoxide (CO) Emissions

(1) The permittee shall keep and maintain on site technical drawings, blueprints or equivalent records of the physical stack parameters. [s. NR 439.04(1)(d), Wis. Adm. Code] Burners, B04, B05 Stack(s) S34, S35 - Two natural gas fired Boilers, 92.05 MMBTU/hr each. These boilers are subject to NSPS [s., NR 440.207, Wis. Adm. Code]. Reference Test Methods, Recordkeeping and Monitoring Requirements ij (1) The permittee shall maintain the records in I.E.S.c.(1). [s. NR 407.09(4)(a)1., Wis. Adm. Code]. Compliance Demonstration ဝ increments or ambient air quality level. [(s. 285.65(3), Stats. and s. NR 406.10, Wis. Adm. Code] because the source was reviewed (b) The stack inside diameter at the outlet may not exceed 3.0 equipped with a rainhat or other (a) The stack heights shall be at gases. [s. 285.65(3), Stats. and s. NR 406.10, Wis. Adm. Code] with these stack parameters and standards will be violated when equivalent area). [s. 285.65(3), Stats. and s. NR 406.10, Wis. least 60.0 feet above ground (1) Stack Parameters These upward flow of the exhaust (c) The stack may not be device which impedes the requirements are included it was determined that no constructed as proposed. feet (or not exceed the a. Limitations 4dm. Code] [Conditions from 06-DCF-166] Physical Stack Parameters Pollutant ய

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51	 C. Kererence lest Methods, Recordkeeping and Monitoring Requirements. 	(1) Reference Test Method for Particulate Matter Emissions: Whenever compliance emission testing is required, the appropriate US EPA Method; 5, 5A, 5B, 5D, 5F, 5F, 5G, 5H or 17 including back half (Method 202)	shall be used to demonstrate compliance. [s. NR 439.06(1), Wis. Adm. Code]	(2) The permittee shall record daily (when operating the generator(s) during the prior day), the operating hours of each generator for the prior day. [s. NR 439.04, Wis. Adm. Code]	(3) The permittee shall maintain records of the type / grade of finel oil received, the date received, the Sulfur content and volume of each shipment received. [s. NR 439.04, Wis. Adm. Code]	(4) The permittee shall record daily (when operating the generator the prior day), the operating hours of the generator for the prior day and the nature of the operation (e.g. testing, power outage). [s. NR 439.04, Wis. Adm. Code]	(5) The facility shall maintain records necessary to either identify / demonstrate that the diesel engine generator is no subject to the NSPS Subpart IIII, or shall maintain the records required to demonstrate compliance with this subpart. [s. NR 439.04, Wis. Adm. Code]		
- No constant	b. computance Demonstration	(1) This generator may only be fired using Diesel fuel oil. [s. NR 404.08(2), s. NR 406.10, Wis. Adm. Code; s. 285.65(7), Wis. Stats.]	(2) This generator may not be operated for more than 2 hours per day for testing / maintenance operation. The generator may not be used for peak	shaving or other non-emergency operation (except for testing / maintenance as noted above). This condition is in place to avoid applicability of s. NR 445.09, Wis. Adm. Code. [s. NR 404.08(2) and s. NR 406.10, Wis. Adm. Code]	(3) The Diesel fuel oil Sulfur content may not exceed 0.05 wt. % Sulfur. [s. 285.65(7), Wis. Stats. and s. NR 406.10, Wis. Adm. Code]	(4) The permittee shall notify the Department within 24 hours of emergency generator start up, for start ups other than those for periodic testing / maintenance purposes. The Department may or may not give approval for continued equipment use. This notification shall include:	 (a) Date of start-up of the generator(s); (b) Time of start-up of the generator(s); (c) The operating load of each generator; (d) A list of the other emissions units at the facility operating during the emergency situation; 	(e) The fuel that each operating emissions units at the facility is using; and	(s) the road of cault operating chissions unit at the facility. [s. NR 436.03(2)(c), Wis. Adm. Code.]
Marine Day, Section 200 miles Barrel Berrary Berrary 2007 Later 1177 Later 1 1970 L	a, Limitations	(1) 0.55 pounds per hour. See Note 1. [s. NR 404.08(2) and s. NR 485.055, Wis. Adm. Code]	(2) The diesel (compression ignition) engine and the fuel used for the generator set shall	comply with the federal NSPS standards of 40 CFR Part 60, Subpart IIII, if applicable to the engine generator used by the facility. [6. 285.65(3), Wie.	Adm. Code]				
	Pollutant	1. Particulate Matter Emissions			and an arrow of the state of th	-		elendones error (con amongo lito).	1:

# - Rumar 806 Stack 536	E Burner 806 Stack S36 - Emergency (Diesel) generator set; 2250 KWus22.11 MMBTU/hr.	et; 2250 KWuu22.11 AMBTU/hr. [Conditions from 06-DCF-166]	a 06-DCF-166]
Poliutant	a, Limitations		c. Reference Test Methods, Recordkeeping and Monitoring Requirements
		(5) The facility shall document the manufacture date of the diesel engine / generator, and identify whether the engine is subject to the federal NPSP requirements of Subpart IIII, and if so, obtain manufacturer documentation that the engine meets the NSPS requirements. [s. NR 406.10, Wis. Adm. Code; s. 285.65(3), Wis. Stats.]	
2. Visible Emissions	(1) 40% Opacity for not more than an aggregate time of 5 minutes in any 30 minute period. At no time may the opacity exceed 80%. Is. NR	(1) See 1.F.1.b.(1) and (3) [s. 285.65(3), Stats.] (2) See I.F.1.b.(4)	(1) Whenever visible emissions compliance testing is required, USEPA Method 9 in 40 CFR part 60, Appendix A, incorporated by reference in s. NR 484.04, Wis. Adm. Code shall be used. [s. NR 439.06(9)(a)1., Wis. Adm. Code]
	485.05, Wis. Adm. Code) (2) The diesel (compression ignition) engine and the fuel used for the generator set shall comply with the federal NSPS		(2) The permittee shall maintain records of the type / grade of finel oil received, the date received, the Sulfur content and volume of each shipment received. [s. NR 439.04, Wis. Adm. Code]
	standards of 40 CFR Part 60, Subpart IIII, if applicable to the engine generator used by the facility. [s. 285.65(3), Wis. Adm. Code]		
3. Sulfur Dioxide (SO ₂) Emissions	(1) 1.2 pounds per hour. [s. NR 406.10 and s. NR 404.08(2), Wis. Adm. Code]	(1) The diesel fuel oil Sulfur content may not exceed 0.05 wt. % (500 ppm) Sulfur. [s. 285.65(7), Wis. Stats. and s. NR 406.10, Wis. Adm. Code]	(1) Reference Test Method for Suifur Dioxide Emissions: Whenever compliance emission testing is required, the
	(2) The diesel (compression ignition) engine and the fuel used for the generator set shall comply with the federal NSPS standards of 40 CFR Part 60, Subpart IIII, if applicable to the enoine / generator used by the	(2) The generator may not be operated for more than 2 hours per day for testing / maintenance operation. The generator may not be used for peak shaving or other non-emergency operation (except for testing / maintenance as noted above). This condition is in place to avoid applicability of s. NR 445.09, Wis. Adm. Code. [s. NR 404.08(2) and s.	US LFA Method; 0, 0A, 0B, 0C, 01 on onstrate compliance. [s. NR 439.06(2)) are periodic fuel sampling and analysis if fuels is required, it shall be conduct and procedures specified in s. NR 439. [s. NR 439.06(2)(a), and s. NR 439.
opphiscolomic and the second second	facility, [s. 285.65(3), Wis. Adm. Code]	NR 406.10, Wis. Adm. Code] (3) See I.F.1.b.(4)	Adm. Code]

1. Permit No. 08-005-146

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- burner bue, stack son	F. Burner B06, Stack 536 - Emergency (Diesel) generator s	set; 7.250 AW == 2.11 Mmb10/III. Cumumum 110	
Pollutant	a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
	gases. [s. 285.65(3), Stats. and s. NR 406.10, Wis. Adm. Code]		
5. Synthetic Minor limitations	(1) Operation of each diesel generator may not exceed an average of 8.33 hours per month (based on a consecutive 12 month average). This includes testing, maintenance and emergency (power backup) operation. [s. 285.65(7), Wis. Stats.]	(1) The permittee shall record daily (when operating the generator(s) the prior day), the operating hours of each generator for the prior day, the hour meter reading and calculate the day's net hours of operation based on the prior hour meter value. [s. 285.65(3), Wis. Stats.; s. NR 406.10, Wis. Adm. Code] (2) Each generator set shall be equipped with an 'hour meter' which measures operating time. [s. NR 406.10, Wis. Adm. Code]	(1) The permittee shall sum the daily net hours of operation from each generator on a monthly basis. This monthly summation shall be conducted and recorded within 14 days following the end of the month. [s. NR 439.04, Wis. Adm Code]]
6. Nitrogen Oxides (NO _x) Emissions	(1) Emissions of Nitrogen Oxides may not exceed 61.62 pounds per hour. [s. NR 406.10, Wis. Adm. Code; s. 285.65(3) and (7), Wis. Stats.] (2) The diesel (compression ignition) engine used for the generator set shall comply with the federal NSPS standards of 40 CFR Part 60, Subpart IIII, if applicable to the engine / generator used by the facility. [s. 285.65(3), Wis. Adm. Code]	(1) See I.F.6.c. (2) See I.F.1.b.(4)	(1) Whenever nitrogen oxides compliance testing is required, USEPA Method 7, 7A, 7E, or another method approved by the Department in writing shall be used. [s. NR 439.06(6), Wis. Adm. Code] (2) The facility shall maintain records of the diesel engines installed within the generator sets and documentation of the engine specifications and emission guarantees. [s. NR 439.04, Wis. Adm. Code.]
7. Carbon Monoxide (CO) Emissions	(1) Emissions of Carbon Monoxide may not exceed 2.22 pounds per hour. [s. NR 406.10, Wis. Adm. Code; s. 285.65(3) and (7), Wis. Stats.]	(1) See LF.7.c. (2) See LF.1.b.(4)	(1) Reference Test Method for Carbon Monoxide Emissions: Whenever compliance emission testing is required, the appropriate US EPA Method; 10, 10A or 10B shall be used. [s. NR 439.06(4)(a), Wis. Adm. Code] (2) See I.F.6.c.(2)

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Pollutant	a. Limitations	c. Reference Test Methods, Recordkeeping and Monitoring Requirements	skeeping and
	(2) The diesel (compression	The control of the co	
	ignition) engine used for the		
	generator set shall comply with		٠
	the federal NSPS standards of		
	40 CFR Part 60, Subpart IIII, if	. •	•
	applicable to the engine /		
	generator used by the facility.		
	[s. 285.65(3), Wis. Adm. Code]	-	

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(4) The permittee shall maintain a description of the type of (5) The permittee shall keep and maintain on site technical drawings, blueprints or equivalent records of the physical [s. NR 439.04(1)(d), Wis. Adm. Code] Stack S37 (S37A - S37G); Process P56 and P57 -Two Cooling Towers (8 cells total): 1875 gpm max. each cell/ 159,000 ACFM (each cell). (2007) Drift rate of Solids (TS) in the cooling water on at least a monthly basis The facility shall keep and maintain documentation of or more frequently if required under any WPDBS permit. [s. NR 439.04, Wis. Adm. Code] installed at the facility. [s. NR 439.04, Wis, Adm. Code] compound used in the industrial process cooling tower. NR 439.04 and s. NR 468.30(4)(a), Wis. Adm. Code] circulation drift rate specification for the cooling towers average concentration; and a copy of the material safety data sheet for each water treatment additive or chemical required, the permittee shall use US BPA Method 5 (including condensable particulate by US BPA Method concentration of Total Dissolved Solids (TDS) or Total water treatment program used in the industrial process cooling tower(s), including the chemical name(s); the Reference Test Methods, Recordkeeping and Monitoring Requirements (1) Whenever particulate matter emission testing is (3) The facility shall keep and maintain document the manufacture's design circulation flow rate and (2) The permittee shall determine and record the 202). [s. NR 439.06(1), Wis. Adm. Code] stack parameters. ن not exceed 2,500 parts per million (ppmw), or 2,500 Solids (TS) concentration in the cooling water may copies of manufacturer testing which demonstrate (2) The permittee shall maintain the records in I.G.1.c, [s. NR 407.09(4)(a)1., Wis. Adm. Code] 0,001 wt% of the circulating water flow rate. [s. calculated potential to emit. See Note 2. [s. NR that the cooling tower drift rate does not exceed (1) The Total Dissolved Solids (TDS) or Total minute design capacity and the design 0.001% max. circulation drift rate, was the basis of the (3) The facility shall conduct tests or provide mg/l. This information, the 15,000 gallon per Compliance Demonstration NR 439,06, Wis. Adm. Code] 439.04, Wis. Adm. Code] á (3) The cooling tower drift rate or ambient air quality standards (a) The stack height shall be at (2) Chromum compounds may not be added to the cooling (1) 0.023 pounds per hour PM / determined that no increments. the circulating water flow rate. PM₁₀ from each cooling tower may not exceed 0.001 wt% of and s. NR 406:10, Wis. Adm least 34.0 feet above ground See Note 1. [s. NR 404.08(2) (4) Stack Parameters These level for each of the cooling towers. [(s. 285.65(3), Stats. stack. (0.18 lbs/hr aggregate) water, [s. NR 406.10, Wis. requirements are included reviewed with these stack and s. NR 415.05(2), Wis. constructed as proposed. because the source was parameters and it was will be violated when 0.001% [Conditions from 06-DCF-166] a. Limitations Adm. Code] Adm. Code] 1. Particulate Matter (PM PM₁₀) Emissions Pollutant ග්

(b) The inside diameter of each

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cell at the outlet may not

exceed 8.0 ft. [s. 285.65(3), Stats, and s. NR 406.10, Wis.

Adm. Code]

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Stack S37 (S37A - S37G); Process P56 and P57 -Two Cooling Towers (8 cells total): 1875 gpm max. each cell/159,000 ACFM (each cell). (2007) Drift rate of 0.001% [Conditions from 06-DCF-166] છੰ

Pollutant			
	a. Limitations	b. Compliance Demonstration	 Reference Test Methods, Recordkeeping and Monitoring Requirements
0 0 13 33 8	(c) The stack may not be equipped with a rainhat or other device which impedes the upward flow of the exhaust gases. [s. 285.65(3), Stats, and s. NR 406.10, Wis, Adm. Code]		
2. Visible Emissions	(1) 20% Opacity [s. NR 431.05(1), Wis. Adm. Code]	(1) The requirements in I.G.1.b. [s. 285.65(3), Stats.]	(1) Whenever visible emissions compliance testing is required, USEPA Method 9 in 40 CFR part 60, Appendix A, incorporated by reference in s. NR 484.04, Wis. Adm. Code shall be used. [s. NR 439.06(9)(a)1., Wis. Adm. Code]
			(2) The recordkeeping requirements in I.G.1.c. [s. NR 439.04, Wis. Adm. Code]

Note 1: The particulate matter emissions limitation of 0.18 pounds per hour (total) is more restrictive than the limitation of s. NR 415.05(2), Wis. Adm. Code. This is necessary to prevent a violation of an ambient air quality standard and/or increment.

Note 2: This requirement implies that compliance is demonstrated if either the TDS or TDS or TDS or TDS or TS (e.g. to correspond to testing required under a WPDES permit).

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H. Fugitive F05 - Process Equipment (Valves, Pumps, Flanges, etc.) Leaks - This is subject to new source performance standard (NSPS, s. NR 440.62, Wis. Adm. Code) (Conditions from 06-DCF-166)

	•		
c. Reference Test Methods, Recordkeeping and Monitoring Requirements	(1) Method 21 shall be used to determine the presence of leaking sources. The instrument shall be calibrated before use each day of its use by the procedures specified in Method 21. The following calibration gases shall be used: a. Zero air (less than 10 ppm of hydrocarbon in air); and b. A mixture of methane or n-hexane and air at a concentration of about, but less than, 10,000 ppm methane or n-hexane. [s. NR 440.62(6), Wis.	Adm. Code) (2) Method 21 shall be used to determine the background level. All potential leak interfaces shall be traversed as close to the interface as possible. The arithmetic difference between the maximum concentration indicated by the instrument and the background level is compared with 500 ppm for determining compliance with the no detectable emission requirement. [5, NR 440.62(6), Wis. Adm. Code]	(3) Delay of repair. [s. NR 440.62(3)(i), Wis. Adm. Code]
b. Compliance Demonstration	(1) When a leak is detected it shall be repaired as soon as practicable but not later than 15 calendar days after it is detected, except as provided in I.H.1.c.(3). a. A first attempt at repair shall be made no later than 5 calendar days after each leak is detected. [s. NR 440.62(3)(b), Wis. Adm. Code] (2) a. For pumps, if an instrument reading of 10,000 ppm or greater is measured a leak is detected. a. If there are indications of liquids	dripping from the pump seal a leak is detected. [s. NR 440.62(3)(b), Wis. Adm. Code] (3) Each pump equipped with a dual mechanical seal system that includes a barrier fluid system is exempt from the requirements of I.H.1.a.(1), provided the following requirements are met: a. Each dual mechanical seal system is: 1) Operated with the barrier fluid at a pressure that is at all times greater than the pump stuffing box pressure; or 2) Equipped with a system that purges the barrier	fluid into a process stream with a zero VOC emissions to the atmosphere. b. Each barrier fluid system is equipped with a sensor that will detect failure of the seal system, the barrier fluid system, or both. c. Each pump is checked by visual inspection each calendar week for indications of liquids dripping from the pump seals. d. I) Each sensor as described in I.H. 1.b.(3)b. is checked daily or is equipped with an audible alarm, and
	(1) Pumps. a. Each pump shall be monitored monthly to detect leaks by the methods specified in LH.1.c.(1). b. Each pump shall be checked by visual inspection each calendar week for indications of liquids dripping from the pump seal. [s. NR 440.62(3)(b), Wis. Adm. Code] (2) Pressure relief devices in gas/vapor service. 1 Except during pressure releases, each pressure	relief device in gas/vapor service shall be operated with no detectable emissions as indicated by an instrument reading of less than 500 ppm above background, as determined by the methods specified in I.H.1.c.(2). 2.a. After each pressure release the pressure relief device shall be returned to a condition of no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, as soon as practicable but no later than 5 colondar days after the pressure release.	except as provided in I.H.1.0.(3). [s. NR 440.62(3)(d), Wis. Adm. Code]
Pollutant a. Limitations	Volatile organic compound (VOC) Emissions		

Fugitive F05 - Process Equipment (Valves, Pumps, Flanges, etc.) Leaks - This is subject to new source performance standard (NSPS, s. NR 440.62, Wis. Adm. Code)

Pollutant	a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping	,:h
			מות שמווימו ווצ עבלתו בחוכווים	
			(a). Delay of repair of equipment for which leaks	
	 b. No later than 5 calendar days after the 	3). The owner or operator determines, based on	have been detected will be allowed if the repair is	
	pressure release the pressure relief device shall be	design considerations and operating experience, a	technically infeasible without a process unit	
945%(T-0.10	monitored to confirm the conditions of no	criterion that indicates failure of the seal system,	shutdown. Repair of this equipment shall occur	uque;
<u>-</u>	detectable emissions, as indicated by an	the barrier fluid system, or both.	before the end of the next process unit shutdown.	
	instrument reading of less than 500 ppm above	e. If there are indications of liquids dripping	(b) Delay of repair of equipment will be allowed	******
	background, by the	from the pump seal or the sensor indicates failure	for equipment which is isolated from the process	<u>_</u> .
	methods specified in I.H.1.c.(2).	of the seal system, the barrier fluid system, or	and which does not remain in VOC service,	٠.
-	[s. NR 440.62(3)(d), Wis. Adm. Code]	both based on the criterion determined in	(c) Delay of repair for valves will be allowed if:	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
ni o		I.H.1.(3)d. 2) a leak is detected.	a. The owner or operator demonstrates that	
•	(3) Sampling connection systems.	[s. NR 440.62(3), Wis. Adm. Code]	emissions of purged material resulting from	*******
**********	1. Each sampling connection system shall be	•	immediate repair are greater than the fugitive	
	equipped with a closed purge system.	(4)(a) If an instrument reading of 10,000 ppm or	emissions likely to result from delay of repair,	
	2. Each closed purge system shall:	greater is measured for a valve, a leak is detected.	and	no di mara
	a. Return the purged process fluid directly to the	(b) Any valve for which a leak is not detected for	b. When repair procedures are effected, the	•
	process line with zero VOC emissions to the	2 successive months may be monitored the first	purged material is collected and destroyed or	hadaa
***************************************	atmosphere; or	month of every quarter, beginning with the next	recovered in a control device complying with par.	estern.
	b. Collect and recycle the purged process fluid	quarter, until a leak is detected,	•	
Ornica Nova	with zero VOC emissions to the atmosphere; or	(c) If a leak is detected the valve shall be	(d) Delay of repair for pumps will be allowed if:	~======
	c. Be designed and operated to capture and	monitored monthly until a leak is not detected for	a. Repair requires the use of a dual mechanical	
	transport all the purged process fluid to a control	2 successive months.	seal system that includes a barrier fluid system,	-
·	device.	(d) First attempts at repair include, but are not	and	
oonet:	3. In situ-sampling systems are exempt from	limited to, the following best practices where	b. Repair is completed as soon as practicable but	
	subd. 1. and 2.	practicable;	not later than 6 months after the leak was	com'
	[s. NR 440.62(3)(e), Wis. Adm. Code]	-	detected.	·
		b. Replacement of bonnet bolts;	(e) Delay of repair beyond a process unit	-
		c. Tightening of packing gland nuts;	shutdown will be allowed for a valve if valve	energy.
		d. Injection of lubricant into lubricated packing.	assembly replacement is necessary during the	
~	-	(e) Any valve that is designated for no detectable	process unit shutdown, valve assembly supplies	
		emissions, as indicated by an instrument reading	have been depleted and valve assembly supplies	
		of less than 500 ppm above background, is	had been sufficiently stocked before the supplies	ide a pers
		exempt from the requirements of subd. 1, if the	were depleted. Delay of repair beyond the next	
		valve:	process unit shutdown will not be allowed unless	
		a. Has no external actuating mechanism in	the next process unit shutdown occurs sooner than	cerc
		contact with the process fluid;	6 months after the first process unit shutdown.	
•		b. Is operated with emission less than 500 ppm		
		above background as determined by the method		*****
		specified in I.H.1.c.(2), and		

(2007) [Conditions Pollutant	(Conditions from 00-DCr-100) t a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
	(4) Onen-ended valves or lines. 1.a. Each open-	c. Is tested for compliance with subd. 6. b.	(4) When each leak is detected the following
	ended valve or line shall be equipped with a cap,	initially upon designation, annually, and at other	requirements apply:
	blind flange, plug, or a second valve.	lines requested by the departments	identification, marked with the equipment
	shall seal the open end at all times except during	(4)(f) Any valve that is designated as a difficult-	identification number, shall be attached to the
	operations requiring process fluid flow through	to-monitor valve is exempt from the requirements	2. The identification on a value may be removed
ng an way	the open-ended valve or line.	of sucu. 1. 11.	after it has been monitored for 2 successive
	second valve shall be operated with a second	demonstrates that the valve is unsafe to monitor	months and no leak has been detected during
	valve shall be operated in a manner such that the	because monitoring personnel would be exposed	those 2 months.
	valve on the process fluid end is closed before the	to an immediate danger as a consequence of	when may be removed after it has been repaired.
	second valve is closed.	complying with subd. 1., and	Is NR 440.62(7). Wis. Adm. Code!
	3. When a double block-and-bleed system is	D. The Owner of Operator of the	
	being used the bleed valve or line may remain	a written plan mat requires mountaing or me	(5) When each leak is detected the following
·	open during operations that require venting the	valve as frequently as precured comes one	information shall be recorded in a log and shall be
	line between the block valves but shall comply	illolated tames.	kept for 2 years in a readily accessible location:
·	with subd. I, at all times.	(%) Any walve that is designated as described in	1. The instrument and operator identification
	[s. NR 440.62(3)(t), Wis. Adm. Code]	sub. (7)(f)2. as a difficult-to-monitor valve, is	numbers and the equipment identification
	billight his in source source in Fight Hollid	exempt from the requirements of subd. 1, if.	number.
	(3) Valves in gas vapor solvice in age:	a. The owner or operator of the valve	2. The date the leak was detected and the dates
	service. 1. Davis valve such to income.	demonstrates that the valve cannot be monitored	each attempt to repair the leak.
·	in 1 H 1 c. (1); fs. NR 440.62(3)(f), Wis. Adm.	without elevating the monitoring personnel more	3. Repair methods applied in each attempt to
-	Code	than 2 meters above a support surface.	repair the leak.
		b. The process unit within which the valve is	4. "Above 10,000 II the methods specified in
*****	(6) Pressure relief devices in light liquid and	located either becomes an affected facility	1 H 1 c.(2) after each repair attempt is equal to or
<u> </u>	flanges and other connectors shall be monitored	through S, NK 440.14 of 440.15, of the owner or	greater than 10,000 ppm.
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	within 5 days by the method specified in	umber of valves as difficult-to-monitor, and	5. "Repair delayed" and the reason for the delay
7777 7.2	1.H.1.C.(1) II evidence of a potential reas is round hy vienal andible, offactory, or any other	c. The owner or operator of the valve follows a	if a leak is not repaired within 15 calendar days
	detection method, [s. NR 440.62(3)(h), Wis.	written plan that requires monitoring of the valve	after discovery of the leak.
·	Adm. Code]	at least once per calendar year,	6. The signature of the dwifer of Operator (or designate) whose decision it was that repair could
		[S. NK 440.02(5)(g), Wis. Auth. Cour.]	not be affected without a process shutdown.
in the second			7. The expected date of successful repair of the
			leak if a leak is not repaired within 13 days.
	_		

FID 111081520; Permit No. 06-DCF-166.

H. Fugitive F05 - Process Equipment (Valves, Pumps, Flanges, etc.) Leaks - This is subject to new source performance standard (NSPS, s. NR 440.62, Wis. Adm. Code) (2007) [Conditions from 06-DCF-166]

Pollutant	a, Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping
***************************************			and Monitoring Requirements
			8. Dates of process unit shutdown that occur
	(7) Compressors. (a) Each compressor shall be		while the equipment is unrepaired.
	equipped with a seal system that includes a		9. The date of successful repair of the leak.
	barrier fluid system that prevents leakage of VOC		
	to the atmosphere, except as provided in (h) and		(6) The following information pertaining to all
	(i). [s. NR 440.62(3)(c), Wis. Adm. Code]		equipment shall be recorded in a log that is kept
	(b) Each compressor seal system as required in		in a readily accessible location:
	subd. I, shall be:		1. A list of identification numbers for equipmen
	i. Operated with a barrier fluid at a pressure that		subject to the requirements of this section.
	is greater than the compressor stuffing box		2.a. A list of identification numbers for equipment
	pressure; or		that are designated for no detectable emissions.
	ii. Equipped with a barrier fluid system that is		The designation of equipment shall be signed by
,	connected by a closed vent system to a control		the owner or operator. [s. NR 440.62(7), Wis.
	device that complies with the requirements of par.		Adm. Code]
	(j); or		3. A list of equipment identification numbers for
	iii. Equipped with a system that purges the		pressure relief devices.
	barrier fluid into a process stream with zero VOC		4.a. The dates of each compliance test.
	emissions to the atmosphere.		b. The background level measured during each
	(c) The barrier fluid system shall be in heavy		compliance test.
	liquid service or may not be in VOC service.		c. The maximum instrument reading measured at
-	(d). Each barrier fluid system as described in (a)		the equipment during each compliance test.
	shall be equipped with a sensor that will detect		(7) The following information shall be recorded
one to the same of	failure of the seal system, barrier fluid system, or		in a log that is kept in a readily accessible
	both.		location [s. NR 440.62(7), Wis. Adm. Code]:
-	(e) i. Each sensor as required in (d) shall be		1. A list of identification numbers for valves the
	checked daily or shall be equipped with an		are designated as unsafe-to-monitor, an
	audible alarm,		explanation for each valve stating why the valve
	ii. The owner or operator shall determine, based		is unsafe-to-monitor and the plan for monitoring
	on design considerations and operating		each valve.
•			2. A list of identification numbers for valves that
	seal system, the barrier fluid system, or both.		are designated as difficult-to-monitor, an
			explanation for each valve stating why the valve
	(t) If the sensor indicates failure of the seal		is difficult-to-monitor and the schedule for
	system, the barrier system, or both based on the	-	monitoring each valve.
	criterion determined under (e) ii. a leak is		(8) The following information shall be recorded
	detected,		in a log that is kept in a readily accessible
	(g) i. when a leak is defected it shall be repaired		location.
The state of the s	as soon as practicality, our mor rater than 1.5		1. Design criterion required in and explanation

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H. Fugitive FO5 - Process Equipment (2007) [Conditions from 06-DCF-166]	H. Fugitive FUS - Process Equipment (Valves, 1 units), Figure 1 (2007) [Conditions from 06-DCF-166] (2007) [Conditions from 06-DCF-166]	The second secon	c Reference Test Methods, Recordkeeping
Pollutant	a. Limitations	b. Computance Demonstration	and Monitoring Requirements
MACATE TO COMPANY AND	calendar days after it is detected, except as		of the design criterion; and 2. Any changes to this criterion and the reasons
	ii. A first attempt at repair shall be made no later than 5 calendar days after each leak is detected.		for the changes.
	(h) Any compressor that is designated as		
	emissions, as indicated by an instrument reading of less than 500 ppm above background, is		
	exempt from the requirements of (a) through (g)		
	if the compressor: i. Is demonstrated to be operating with no		
	detectable emissions as indicated by an instrument reading of less than 500 ppm above		
	background, as measured by the methods	٠	
a for the state of	specified in c.(3); and ii. Is tested for compliance with (h) i. initially		
-	upon designation, annually and at other times		
	requested by the department. [S. NR 440.62(3)(c), Wis. Adm. Code]		

FID 111081520; Permit No. 06-DCF-166,

Tanks T01, T02, T03, T04, T05 - Two Storage Tanks for 200 proof product (T01, T02; 128,000 gallons each), One denaturant (gasoline) storage tank (T03; 89,400 gallons), Two denatured ethanol storage tanks (T04, T05; 408,750 gallons each). All tanks are vertical fixed roof tanks with internal floating roofs [subject to NSPS]

under S. NK 440.285, WIS. Adm. Code	Wis. Adm. Code Conditions from Ub-DCF-106	Contraction of	
Pollutant	a, Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
Volatile organic compounds (VOC) Emissions	(1) The storage tank shall be a vertical fixed roof tank equipped with an internal floating roof. [s. NR 406.10, Wis. Adm. Code and s. NR 440.285(3)(a). Wis. Adm. Codel	(1) The permittee shall visually inspect the storage vessel with the seal in place before the initial fill of the volatile organic liquid. If there are any onenings in the seals or other defects in	(1) Whenever VOC compliance testing is required, USEPA Method 18 or 25A shall be used. When approved in writing an equivalent test method may be substituted for the required
	(2) The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it). The internal floating	the internal floating roof, the owner or operator shall repair these before filling the vessel. [s. NR 440.285(4)(a)1., Wis. Adm. Code]	test method. [§ NR 439.06(8), Wis. Adm. Code] (2) The permittee shall maintain a record of the
	roof shall be floating on the liquid surface at all times except during initial fill and those times when the storage vessel is completely empired or subsequently empired and refilled. When the	(2) The permittee shall visually inspect the storage vessel internal floating roof and the primary seal through manholes and roof hatches on the fixed roof once every 12 months after the	volatile organic liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period. The maximum true vanor researe is
ngalang kalabahan mengangka	roof is resting on the leg supports, the process of filling, emptying or refilling shall be continuous and shall be accomplished as rapidly	initial fill of the volatile organic liquid. If the internal floating roof is not resting on the surface of the Volatile Organic Liquid (VOL)	period. The maximum nuc vapor pressure is the equilibrium partial pressure exerted by the VOL based upon the maximum local monthly average ambient temperature (listed by the
	as possible. [s. NK 409.10 and s. NK 440.285(3)(a)1.a., Wis. Adm. Code]	inside the storage vessel, or there is liquid accumulated on the floating roof, or if the seal is detached or if there are holes or tears in the	National Weather Service as 72° F in July) [s. NR 440.285(7)(c), Wis. Adm. Code]
ngkatiyajajajanama.augusti tiboorgi		seal fabric, the owner or operator shall repair the items or empty and remove the storage vessel from service within 45 days. If a failure that is detected during inspections required	(3) The permittee of each storage vessel shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. The
Massiannes de direppene hall Nation		under this paragraph cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, a 30-day extension may be requested from the Danathout in the increation	permittee shall also keep and maintain on site current "as bullt" technical drawings, blueprints or equivalent records of the storage tanks.
ada alausida walii 1917 (1919) (1889) (1888) (1888)		report required in s. NR 440.285(6)(a)3., Wis. Adm. Code. A request for an extension shall document that alternate storage capacity is unavailable and specify a schedule of actions	and (b), Wis. Adm. Code]
vicano immo a makaya basakka non a		the company owner or operator shall take to assure that the control equipment is repaired or the vessel will be emptied as soon as possible. [s. NR 440.285(4)(a)2., Wis. Adm. Code]	
	-		

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Each report shall identify the storage vessel, the (b) Keep a record of each inspection performed as required by I.I.1.b.(1)-(4). Each record shall inspection was performed and shall contain the (4)(a)1., Wis. Adm. Code. This report shall be date the vessel was inspected and the observed Reference Test Methods, Recordkeeping and Monitoring Requirements an attachment of the notification required by s. gallons), Two denatured ethanol storage tanks (T04, T05; 408,750 gallons each). All tanks are vertical fixed roof tanks with internal floating roofs [subject to NSPS Tanks T01, T02, T03, T04, T05 — Two Storage Tanks for 200 proof product (T01, T02; 128,000 gallons each), One denaturant (gasoline) storage tank (T03; 89,400 [1.1.b.(2) [s. NR 440.285(4)(a)2., Wis. Adm. (4) After installing the fixed roof, internal floating roof tank, the owner or operator shall nature of the defects and the date the storage inspection, a report shall be furnished to the department within 30 days of the inspection. vessel was emptied or the nature of and the describes the control equipment and certifies (a) Furnish the department with a report that equipment (seals, internal floating roof and condition of each component of the control specifications of s. NR 440.285(3)(a)1, and NR 440.07(1)(c), Wis. Adm. Code. [See s. NR 440.285(6)(a), Wis. Adm. Code] (c) If any of the conditions described in identify the storage vessel on which the Code] are detected during the annual that the control equipment meets the meet the following requirements: date the repair was made. [.1.1.a.(1)(c)] (3) Visually inspect the internal floating roof, the primary seal, the secondary seal (if one is in specified in this paragraph exist before refilling the storage vessel with VOL. In no event may years in the case of vessels undergoing annual holes, tears or other openings in the seal or the or other openings in the seal or the seal fabric, inspections conducted in accordance with this vessel is emptied and degassed. If the internal seal fabric, the secondary seal has holes, tears and sleeve seals (if any) each time the storage floating roof has defects, the primary seal has service), gaskets, slotted membranes (if any), membrane has more than 10% open area, the surfaces from the atmosphere, or the slotted provision occur at intervals greater than 10 visual inspections. [s. NR 440.285(4)(a)4., owner or operator shall repair the items as the gaskets no longer close off the liquid necessary so that none of the conditions Compliance Demonstration ជ [Conditions from 06-DCF-166] (vacuum break vents) and the rim space vents is floating roof except for automatic bleeder vents to provide a projection below the liquid surface. contact with the liquid (a liquid-mounted seal) submerged fill pipe. [s. NR 406.10, Wis. Adm. (3) The internal floating roof shall be equipped between the wall of the storage vessel and the (4) The storage tank shall be equipped with a [s. NR 440.285(3)(a)1.c., Wis. Adm. Code] with a foam or liquid filled seal mounted in 406.10 and s. NR 440.285(3)(a)1.b.1), Wis. circumference of the storage vessel. [s. NR The seal shall be in contact with the liquid floating roof continuously around the under s. NR 440.285, Wis. Adm. Code] Limitations Adm. Code] ų 1. Volatile organic compound (VOC) Continued Emissions Pollutant

demonstrating why the inspection was unplanned. Alternatively, this - Two Storage Tanks for 200 proof product (T01, T02; 128,000 gallons each), One denaturant (gasoline) storage tank (T03; 89,400 (4) Notify the department in writing at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is planned and the owner or operator could not have known about the required by (1) and (3) to afford the department the opportunity to owner or operator shall notify the department at least 7 days prior notification including the written documentation may be made in have an observer present. If the inspection required by (3) is not the refilling of the storage vessel. Notification shall be made by inspection 30 days in advance of refilling the storage vessel, the gallons), Two denatured ethanol storage tanks (T04, T05; 408,750 gallons each). All tanks are vertical fixed roof tanks with internal floating roofs [subject to NSPS writing and sent by express mail so that it is received by the telephone immediately followed by written documentation department at least 7 days prior to the refilling.[s. NR 440.285(4)(a)5., Wis. Adm. Code] Compliance Demonstration ۵ (11) Each penetration of the internal floating roof that allows for passage of a a column supporting the fixed roof shall have a flexible fabric sleeve seal or a (9) Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The sample well shall have a slit fabric cover that Each penetration of the internal floating roof that allows for passage of (8) Rim space vents shall be equipped with a gasket and are to be set to open only when the internal floating roof is not floating or at the manufacturer's (6) Each opening in the internal floating roof, except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample Automatic bleeder vents (vacuum break vents) shall be equipped with a gasket and are to be closed at all times when the roof is floating except when maintained in a closed position at all times (i.e., no visible gap) except when the device is in actual use. The cover or lid shall be equipped with a gasket Covers on each access hatch and automatic gauge float well shall be bolted ladder shall have a gasketed sliding cover. [s. NR 440,285(3)(a)1.i., Wis. wells and stub drains, is to be equipped with a cover or lid which is to be except when they are in use. [s. NR 440.285(3)(a)1.d., Wis. Adm. Code] covers at least 90% of the opening [s. NR 440.285(3)(a)1.g., Wis. Adm. the roof is being floated off or is being landed on the roof leg supports. Each opening in the internal floating roof, except for leg sleeves, gasketed sliding cover. [s. NR 440.285(3)(a)1.h., Wis. Adm. Code] recommended setting. [s. NR 440.285(3)(a)1.f., Wis. Adm. Code] under s. NR 440.285, Wis. Adm. Code] [Conditions from 06-DCF-166] [s. NR 440.285(3)(a)1.e., Wis. Adm. Code] a. Limitations Adm. Code] l, Process T01, T02, T03, T04, T05 Code (10) Volatile organic compound (VOC) [Continued] Emissions Pollutant

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Ť.	c. Neterence lest Methods, recordreeping and Monitoring Requirements	(1) Whenever compliance emission testing for PM & PM ₁₀ is required, USEPA Method 5, including backhalf (Method 202) shall be used to demonstrate compliance or an alternate method approved in writing by the Department, shall be used. [s. NR 439.06(1m), Wis. Adm. Code] (2) The facility shall monitor and record the pressure drop across the baghouse at least once for each 8 hours of any process or once per day of operation.	whichever yields the greater number of measurements. Any alternative monitoring technology monitoring / records shall be at the frequency required for that technology (but not less than the above frequency). [s. NR 439.055(2), Wis. Adm. Code]	(4) The permittee shall keep records of all inspections, checks and any maintenance or repairs performed on the baghouse. These records shall include the date of action and a description of any corrective actions taken. [s. NR 430 OATVA] Wis. Adm. Cade	(5) The facility shall maintain records / documentation of the fabric filter baghouse design, testing, maximum exhaust flows, fan / blower information and emission guarantees which document the baghouse is designed to achieve the noted outlet concentration, and emission limit when	properly operated and maintained. [s. NK 439.04(1)(d), Wis. Adm. Code]
Grain Receiving	b. Compliance Demonstration	(1) The facility shall operate / direct emissions to the baghouse at all times the process is in operation. [s. 285.65(3), Wis. Stats.] (2) The facility shall install, calibrate, operate and maintain the instrumentation necessary to monitor the pressure drop across the baghouse (or other monitoring technology as approved by the contraction of the pressure and maintain of the pressure drop across the baghouse (or other monitoring technology as approved by the contraction of the pressure drop across the baghouse (or other monitoring technology as approved by the contraction of the pressure drop across the baghouse (or other monitoring technology as approved by the contraction of the pressure drop across the baghouse (or other monitoring technology as approved by the contraction of the pressure drop across the baghouse (or other monitoring technology as approved by the contraction of the pressure drop across the baghouse (or other monitoring technology as approved by the contraction of the pressure drop across the baghouse (or other monitoring technology as approved by the contraction of the pressure drop across the baghouse (or other monitoring technology as approved by the contraction of the pressure drop across the baghouse (or other monitoring technology as approved by the contraction of the pressure drop across the pressu	Wis. Adm. Code] (3) The pressure drop across the baghouse shall be maintained within the range of 2- 5 inches of water column or with approval from the Department in writing, an alternative range or monitoring	technology used to demonstrate compliance. [s. 285.65(3), Wis. Stats.; s. NR 407.09(1)(c), Wis. Adm. Code] (4) The baghouse shall be inspected once per month for any leaks or tears. [s. NR 439.055(5), Wis. Adm. Code and s. 285.65(3), Wis. Stats.]	(5) This process shall unload grain only to silo/bins 1-6 and W1-W8. [s. 285.65(7), Wis. Stats.] This condition is established so this process is not subject to NSPS.	(6) The fabric filter baghouse shall be that necessary to achieve an outlet concentration of not more than 0.0034 gr/acf. This and the maximum inlet flow of 4200 ACFM are the basis for the PM limitation. [s. NR 406.10, Wis. Adm. Code]
.P01/S01 /C01 - North Truck/Rail Unload Building Filt	a, Limitations	(1) The emissions may not exceed 0.122 lbs/hr of PM and PM ₁₀ from the baghouse stack \$01.° [s. NR 415.05(1)(n), Wis. Adm. Code and s. NR 415.05(2), Wis. Adm. Code; s. 285.65(3) and (7), Wis. Stats.]	(2) Stack Parameters These requirements are included because the source was reviewed with these stack parameters and it was determined that no increments or ambient air quality.	standards will be violated when constructed as proposed. (a) The stack height shall be at least 32.0 feet above ground level. [(s. 285.65(3), Stats, and s. NR. 406.10, Wis.	Adm. Code] (b) The stack inside diameter at the outlet may not exceed 1.6 feet. [s. 285.65(3), Stats. and s. NR 406.10, Wis. Adm. Code]	
JP01/S01 /C01 - North	Pollutant	Particulate Matter (PM) and PM ₁₀ Emissions		·		

⁶ The facility has elected to meet this limit in order to attain and maintain the national ambient air quality standard and increment for PM₁₀. This restriction also ensures that this project is minor under Part 70 and PSD.

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JP01/S01 /C01 - North	.P01/S01 /C01 - North Truck/Rail Unload Building Filter: Grain Receiving		[Conditions from 02-RV-166, revised / superseded under 06-DCF-166]
Pollutant	a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
	(c) The stack may not be equipped with a rainhat or other device which impedes the upward flow of the exhaust gases. [s. 285.65(3), Stats, and s. NR 406.10, Wis. Adm. Code]	(7) Compliance emission tests of the PM emissions, exhaust flows and outlet grain loading (gr/dscf) shall be conducted upon request of the Department. See additional stack testing conditions under I.X.4. [s. NR 439.03, Wis. Adm. Code]	(6) The permittee shall keep and maintain on site technical drawings, blueprints or equivalent records of the physical stack parameters. [s. NR 439.04(1)(d), Wis. Adm. Code]
2. Visible Emissions	(1) The permittee may not discharge from S01, P01 into the atmosphere any gases which exhibit greater than 20% opacity. [s. NR 431.05(1), Wis. Adm. Code]	(1) A visible emissions compliance test shall be performed simultaneous with the PM & PM ₁₀ emissions test required in LJ.1.b.(7). [s. NR 439.07(1), Wis. Adm. Code] (2) The requirements in LJ.1.b. shall be used to demonstrate compliance with the visible emissions limit. [s. 285.65(3), Wis. Stats.]	(1) Whenever compliance testing is required, USEPA Method 9 shall be used or an alternate method approved in writing by the Department, shall be used. [s. NR 439.06(9)(a)1., Wis. Adm. Code] (2) The records required in I.J.1.c. shall be used as recordkeeping and monitoring requirements for the visible emissions limit. [s. 285.65(3), Wis. Stats.]
3. Fugitive Emissions	(1) No person may cause, allow or permit any material to be handled, transported or stored without taking precaution to prevent particulate matter from becoming airborne. [s. NR 415.04, Wis. Adm. Code]	(1) The permittee shall comply with the requirements established in I.X.8.b. for compliance demonstration. [s. 285.65(3), Wis. Stats.]	(1) The permittee shall comply with the requirements established in I.X.8.c. for recordkeeping and monitoring requirements. [s. 285.65(3), Wis. Stats.]

2		A NAME OF	r P., Ib I oadont Building Filter	nacione in the Deals Tondont Building Filter: Product Loadout (Conditions from 02-RV-166, revised / superseded under 06-DCF-166)	yvised / superseded under 06-DCF-166	
	==	O - IVALIE	a, Limitations	b. Compilance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements	
	Particulate (PM) and Emissions	Matter PM10	(1) The emissions may not exceed 0.044 lbs/hr of PM and PM ₁₀ from the baghouse stack S08.7	(1) The facility shall operate / direct emissions to the baghouse at all times the process is in operation. [s. 285.65(3), Wis. Stats.]	(1) Whenever compliance emission testing for PM & PM ₁₀ is required, USEPA Method 5, including backhalf (Method 202) shall be used to demonstrate compliance or an observed in writing by the Department,	
	247777777		[s. NR 415.05(1)(n), Wis. Adm. Code and s. NR 415.05(2), Wis.	(2) The facility shall install, calibrate, operate and	shall be used. [s. NR 439.06(1m), Wis. Adm. Code]	
			Adm. Code; s. 285.65(3) and (7), Wis. Stats.]		(2) The facility shall monitor and record the pressure drop across the baghouse at least once for each 8 hours of	
			(2) Stack Parameters These	Vis,	operation of any process or once per day of operation, whichever yields the greater number of measurements. Any alternative monitoring technology monitoring / records shall	
			because the source was reviewed with these stack parameters and it		be at the frequency required for that technology (but not less than the above frequency). [s. NR 439.055(2), Wis.	
			was determined that no increments or ambient air quality	column or with approval from the Department in writing. an alternative range or monitoring	Adm, Code] ·	
	••		standards will be violated when constructed as proposed.	technology used to demonstrate compliance. [s. 285.65(3), Wis. Stats.; s. NR 407.09(1)(c), Wis.	(3) Refer to the Malfunction Prevention and Abatement requirements of L.X.3.	
			least 32.0 feet above ground	Auth. Coas.	(4) The permittee shall keep records of all inspections,	
			level. [(s. 285.65(3), Stats. and s. NR 406.10, Wis. Adm. Code]	(4) The baghouse shall be inspected once per month for any leaks or tears. Is. NR 439.055(5),	checks and any maintenance or repairs performed on the baghouse. These records shall include the date of action	
ennensiaalisee			(b) The stack inside diameter at	Wis. Adm. Code and s. 285.65(3), Wis. Stats.]	and a description of any corrective actions taken. [s. NR 439.04(1)(d), Wis. Adm. Code]	
			feet. [s. 285.65(3), Stats. and s. NR. 406.10, Wis. Adm. Code.]	(5) The fabric filter baghouse shall be that necessary to achieve an outlet concentration of not more than 0.0034 er/acf. This and the maximum	(5) The facility shall maintain records / documentation of the fabric filter haphouse design, testing, maximum exhaust	
		••	(c) The stack may not be equipped with a rainhat or other	inlet flow of 1,514 ACFM are the basis for the PM limitation. [s. NR 406.10, Wis. Adm. Code]	flows, fan / blower information and emission guarantees which document the baghouse is designed to achieve the	
			device which impedes the upward flow of the exhaust gases. [s.		noted outlet concentration, and emission intuit when properly operated and maintained. [s. NR 439.04(1)(d), Wis. Adm. Code]	
			406.10, Wis. Adm. Code]			/wax
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7 The facility has elected to meet this limit in order to attain and maintain the national ambient air quality standard and increment for PM to. This restriction also ensures that this project is minor under Part 70 and PSD.

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revised / superseded under 06-DCF-166] c. Reference Test Methods, Recordkeeping and Monitoring Requirements	(6) The permittee shall keep and maintain on site technical drawings, blueprints or equivalent records of the physical stack parameters. [s. NR 439.04(1)(d), Wis. Adm. Code]	(1) Whenever compliance testing is required, USEPA Method 9 shall be used or an alternate method approved in writing by the Department, shall be used. [s. NR 439,06(9)(a)1., Wis. Adm. Code]	(2) The records required in I.K.1.c. shall be used as recordkeeping and monitoring requirements for the visible emissions limit. [s. 285.65(3), Wis. Stats.]	(1) The permittee shall comply with the requirements established in I.X.8.c. for recordkeeping and monitoring requirements. [s. 285.65(3), Wis. Stats.]
K. P08/S08 /C08 - Mill Truck Bulk Loadout Building Filter: Product Loadout [Conditions from 02-RV-166, revised / superseded under 06-DCF-166] Pollutant c. Reference Test Methods, Recordkee Records	(6) Compliance eruission tests of the PM eruissions, exhaust flows and outlet grain loading (gr/dscf) shall be conducted upon request of the Department. See additional stack testing conditions under I.X.4. [s. NR 439.03, Wis. Adm. Code]	(1) The requirements in I.K.1.b. shall be used to demonstrate compliance with the visible emissions limit. [s. 285,65(3), Wis. Stats.]		(1) The permittee shall comply with the requirements established in I.X.8.b. for compliance demonstration, [s. 285.65(3), Wis. Stats.]
Truck Bulk Loadout Building Filte a. Limitations		(1) The permittee may not discharge from S08, P08 into the atmosphere any gases which exhibit greater than 20% opacity. [s. NR 431,05; Wis. Adm. Code]		(1) No person may cause, allow or permit any material to be handled, transported or stored without taking precaution to prevent particulate matter from becoming airborne. [s. NR 415.04, Wis. Adm. Code]
K. P08/S08 /C08 - Mill 1 Pollutant	Particulate Matter (PM) and PM ₁₀ Emissions [Continued]	2. Visible Emissions		3. Fugitive Emissions

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CF-166]	c. Reference Test Methods, Recordkeeping and Monitoring Requirements	(1) Whenever compliance emission testing for PM & PM ₁₀ is required, USEPA Method 5, including backhalf (Method 202) shall be used to demonstrate compliance or an alternate method approved in writing by the Department, shall be used. [s. NR 439,06(1m), Wis. Adm. Code]	(2) The facility shall momitor and record the pressure drop across the baghouse at least once for each 8 hours of operation of any process or once per day of operation, whichever yields the greater number of measurements. Any alternative monitoring technology monitoring / records shall be at the frequency required for that technology (but not less than the above frequency). [s. NR 439.055(2), Wis. Adm. Code]	(3) Refer to the Malfunction Prevention and Abatement requirements of I.X.3.	(4) The permittee shall keep records of all inspections, checks and any maintenance or repairs performed on the baghouse. These records shall include the date of action and a description of any corrective actions taken. [s. NR 439.04(1)(d), Wis. Adm. Code]	(5) The facility shall maintain records / documentation of the fabric filter baghouse design, testing, maximum exhaust flows, fan / blower information and emission guarantees which document the baghouse is designed to achieve the noted outlet concentration, and emission limit when properly operated and maintained. [s. NR 439.04(1)(d), Wis. Adm. Code]	
P10/S16 /C10 - South Filters: Grain Milling Conditions from 02-RV-166, revised / superseded under 06-DCF-166	b. Compliance Demonstration	 The facility shall operate / direct emissions to the baghouse at all times the process is in operation. 285.65(3), Wis. Stats.] The facility shall install, calibrate, operate and maintain the instrumentation necessary to monitor 	the pressure drop across the baghouse (or other monitoring technology as approved by the Department in writing). [s. NR 439.055(1) and (4), Wis, Adm. Code] (3) The pressure drop across the baghouse shall be maintained within the range of 2-5 inches of water column or with approval from the Department in	writing, an alternative range or monitoring technology used to demonstrate compliance. [s. 285.65(3), Wis. Stats. s;. NR 407.09(1)(c), Wis. Adm. Code]	(4) The baghouse shall be inspected once per month for any leaks or tears. [s. NR 439.055(5), Wis. Adm. Code; s. 285.65(3), Wis. Stats.] (5) The fabric filter baghouse shall be that	necessary to achieve an outlet concentration of not more than 0.0034 gr/acf. This and the maximum inlet flow of 18,000 ACFM are the basis for the PM limitation. [s. NR 406.10, Wis. Adm. Code]	
Filters: Grain Milling Condition	a. Limitations	(1) The emissions may not exceed 0.52 lbs/hr of PM and PM ₁₀ from the baghouse stack S10. ⁸ [s. NR 415.05(1)(n), Wis. Adm. Code and s. NR 415.05(2), Wis. Adm. Code; s.	285.65(3) and (7), Wis. Stats.] (2) Stack Parameters These requirements are included because the source was reviewed with these stack parameters and it was	ceretainted that no increments or ambient air quality standards will be violated when constructed as proposed. (a) The stack height shall be at	least 84.0 feet above ground level. [(s. 285.65(3), Stats. and s. NR 406.10, Wis. Adm. Code] (b) The stack inside dimension at the outlet may not exceed	3.0 feet x 2.2 ft. [s. 285.65(3), Stats. and s. NR 406.10, Wis. Adm. Code]	
L. P10/S10 /C10 - South F	Pollutant	 Particulate Matter (PM) and PM₁₀ Emissions 		**************************************			

8 The facility has elected to meet this limit in order to attain and maintain the national ambient air quality standard and increment for PM 10. This restriction also ensures that this project is minor under Part 70 and PSD.

L. P10/S10 /C10 - South	Filters: Grain Milling Conditio	L. P10/S19 /C10 - South Filters: Grain Milling Conditions from 02-RV-166, revised / superseded under 06-DCF-166	CF-1661
Pollutant	a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
Particulate Matter (PM) and PM ₁₀ Emissions [Continued]	Matter (c) The stack may not be equipped with a rainhat or other device which impedes the upward flow of the exhaust gases. [s. 285.65(3), Stats. and s. NR 406.10, Wis. Adm. Code]	(6) Compliance emission tests of the PM emissions, exhaust flows and outlet grain loading (gr/dscf) shall be conducted upon request of the Department. See additional stack testing conditions under I.X.4. [s. NR 439.03, Wis. Adm. Code]	(6) The permittee shall keep and maintain on site technical drawings, blueprints or equivalent records of the physical stack parameters. [s. NR 439.04(1)(d), Wis. Adm. Code]
2. Visible Emissions	(1) The permittee may not discharge from S10, P10 into the atmosphere any gases which exhibit greater than 20% opacity. [s. NR 431,05, Wis. Adm. Code]	(1) The requirements in I.I., 1 b. shall be used to demonstrate compliance with the visible emissions limit. [s. 285.65(3), Wis. Stats.]	(1) Whenever compliance testing is required, USEPA Method 9 shall be used or an alternate method approved in writing by the Department, shall be used. [s. NR 439.06(9)(a)1., Wis. Adm. Code] (2) The records required in I.L.1.c.(2)&(3) shall be used as recordkeeping and monitoring requirements for the visible emissions limit. [s. 285.65(3), Wis. Stats.]
3. Fugitive Emissions	(1) No person may cause, allow or permit any material to be handled, transported or stored without taking precaution to prevent particulate matter from becoming airborne. [s. NR 415:04, Wis. Adm. Code]	(1) The permittee shall comply with the requirements established in I.X.8.b. for compliance demonstration. [s. 285.65(3), Wis. Stats.]	(1) The permittee shall comply with the requirements established in I.X.8.c. for recordkeeping and monitoring requirements. [s. 285.65(3), Wis. Stats.]

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c. Reference Test Methods, Recordkeeping and Monitoring Requirements	(1) Whenever compliance emission testing for PM & PM ₁₀ is required, USEPA Method 5, including backhalf (Method 202) shall be used to demonstrate compliance or an alternate method approved in writing by the Department, alternate method approved in Writing by the Writing Brown Codella with the Writin	(2) The facility shall monitor and record the pressure drop	operation of any process or once per day of operation, whichever yields the greater number of measurements. Pressure drop measurements are not be required once the	bag break detector / emissions monitor has been installed and operated. [s. NR 439.055(2), Wis. Adm. Code]	(3) Upon installation, calibration and initial operation of the bag break detector / emissions monitor, the facility shall monitor and record the output from a bag break detector /	emissions monitor at 15 minute intervals (e.g. electrodynamic or triboelectric or detectors). [s. NR 439.055(2), Wis. Adm. Code]	(4) Refer to the Malfunction Prevention and Abatement requirements of I.X.3.	(5) The permittee shall keep records of all inspections, checks and any maintenance or repairs performed on the	baghouse. These records shall include the date of action and a description of any corrective actions taken. [s. NR 439.	
b. Compliance Demonstration G. Ref	(1) The facility shall operate / direct emissions to the baghouse at all times the process is in operation. [s. 285.65(3), Wis. Stats.]	(2) The facility shall install, calibrate, operate and maintain the instrumentation necessary to monitor particulate matter emissions using a bag break	commencing construction. [s. NR 439.055(1) and (4), Wis. Adm. Code]	(3) The output from the bag break detector shall be maintained within the range or below the value	snown to be in compliance with the particular matter emissions / grain loading or with approval from the Department in writing, an alternative range used to demonstrate compliance. Prior to use of the	bag break detector / emission monitor, the pressure drop shall be measured and maintained within the range of 2.0 to 5.0 inches of water column. [s. 285.65(3), Wis. Stats. s.; NR 407.09(1)(c), Wis.	Adm. Code]	(4) The bagnouse snau be inspected once per mount for any leaks or tears. [s. NR 439.055(5), Wis. Adm. Code; s. 285.65(3), Wis. Stats.]	(5) The fabric filter baghouse shall be that necessary to achieve an outlet concentration of not more than 0.0010 or/acf. This and the maximum inlet flow of	26,000 ACFM are the basis for the PM limitation. [s. NR 406.10, Wis. Adm. Code]
a. Limitations	(1) The emissions may not exceed 0.22 lbs/hr of PM and PM ₁₀ from the baghouse stack S11. ⁹ [s. NR 404.08(2), Wis.	Adm. Code, and s. 285.65(3), Wis. Stats.]	(2) Stack Parameters These requirements are included because the source was	reviewed with these stack parameters and it was determined that no increments	or ambient air quality standards will be violated when constructed as proposed.	(a) The stack height shall be at least 84.0 feet above ground level. [(s. 285.65(3),	Stats, and s. NK 406.10, W1s. Adm. Code]	(b) The stack inside dimension at the outlet may not exceed 4.0 feet x 4.0 ft.	[s. 285.65(3), Stats. and s. NK 406.10, Wis. Adm, Code]	And the section of th
Pollutant a. Limitations	1. Particulate Matter (PM) and PM ₁₀ Emissions		·						and an analysis of the second street of the second	

⁹ The facility has elected to meet this limit in order to attain and maintain the national ambient air quality standard and increment for PM₁₀. This restriction also ensures that this project is minor under Part 70 and PSD.

M. P11/S11/ C11 - North	Filters: Grain Milling [Conditi	M. P11/S11/ C11 North Filters: Grain Milling [Conditions from 02-RV-166, revised / superseded under 06-DCF-166]	CF-166]
Pollutant	a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
 Particulate Matter PM) and PM₁₀ Emissions Continued] 	(c) The stack may not be equipped with a rainhat or other device which impedes the upward flow of the exhaust gases. [s. 285.65(3), Stats. and s. NR 406.10, Wis. Adm. Code]	(6) Compliance emission tests shall be conducted within 180 days after the start of initial operation following completion of modification (or authorization to construct expiration, whichever comes first) to demonstrate compliance with the PM emission limit, exhaust flow and grain loading (gr/dscf). The stack testing shall be done following installation of the bag break detector / emissions monitor, to assist in calibration. See additional stack testing requirements under I.X.4. [s. NR 439.07(1), Wis. Adm. Code]	(6) The facility shall maintain records / documentation of the fabric filter baghouse design, testing, maximum exhaust flows, fan / blower information and emission guarantees which document the baghouse is designed to achieve the noted outlet concentration, and emission limit when properly operated and maintained. [s. NR 439.04(1)(d), Wis. Adm. Code] (7) The permittee shall keep and maintain on site technical drawings, blueprints or equivalent records of the physical stack parameters. [s. NR 439.04(1)(d), Wis. Adm. Code]
2. Visible Emissions	(1) The permittee may not discharge from S11, P11 into the atmosphere any gases which exhibit greater than 20% opacity. [s. NR 431.05, Wis. Adm. Code.]	(1) The requirements in I.M.1.b. shall be used to demonstrate compliance with the visible emissions limit. [s. 285.65(3), Wis. Stats.]	(1) Whenever compliance testing is required, USEPA Method 9 shall be used or an alternate method approved in writing by the Department, shall be used. [s. NR 439.06(9)(a)1., Wis. Adm. Code] (2) The records required in I.M.1.c. shall be used as recordkeeping and monitoring requirements for the visible emissions limit. [s. 285.65(3), Wis. Stats.]
3. Fugitive Emissions	(1) No person may cause, allow or permit any material to be handled, transported or stored without taking precaution to prevent particulate matter from becoming airborne. [s. NR 415.04, Wis. Adm. Code]	(1) The permittee shall comply with the requirements established in I.X. 8.b. for compliance demonstration. [s. 285.65(3), Wis. Stats.]	(1) The permittee shall comply with the requirements established in L.X.8.c. for recordkeeping and monitoring requirements. [s. 285.65(3), Wis. Stats.]

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N. P12/S12 /C12 - Mill Bins Transfer Filter - Baghouse for areas that transfers milled product to product storage bins | Conditions from 02-RV-166, revised /

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	c. Reference Test Methods, Recordkeeping and Monitoring Requirements	(1) Whenever compliance emission testing for PM & PM ₁₀ is required, USEPA Method 5, including backhalf (Method 202) shall be used to demonstrate compliance or an alternate method approved in writing by the Department, shall be used. [s. NR 439.06(1m), Wis. Adm. Code]	(2) The facility shall monitor and record the pressure drop across the baghouse at least once for each 8 hours of operation of any process or once per day of operation, whichever yields the greater number of measurements. Any alternative monitoring technology monitoring / records shall	be at the frequency required for that technology (but not less than the above frequency). [s. NR 439.055(2), Wis. Adm. Code] (3) Refer to the Maifunction Prevention and Abatement requirements of I.X.3.	(4) The permittee shall keep records of all inspections, checks and any maintenance or repairs performed on the baghouse. These records shall include the date of action and a description of any corrective actions taken. [s. NR 439.04(1)(d), Wis. Adm. Code]	(5) The facility shall maintain records / documentation of the fabric filter baghouse design, testing, maximum exhaust flows, fan / blower information and emission guarantees which document the baghouse is designed to achieve the noted outlet concentration, and emission limit when properly operated and maintained. [s. NR 439.04(1)(d), Wis. Adm. Code]
	b. Compliance Demonstration	(1) The facility shall operate / direct emissions to the baghouse at all times the process is in operation. [s. 285.65(3), Wis. Stats.] (2) The facility shall install, calibrate, operate and	maintain the instrumentation necessary to monitor the pressure drop across the baghouse (or other monitoring technology as approved by the Department in writing). [s. NR 439.055(1) and (4), Wis. Adm. Code]	(3) The pressure drop across the baghouse shall be maintained within the range of 2. 5 inches of water column or with approval from the Department in writing, an alternative range or monitoring technology used to demonstrate compliance. [s. 285.65(3), Wis. Stats. s., NR 407.09(1)(c), Wis.	Adm. Code] (4) The baghouse shall be inspected once per month for any leaks or tears. [s. NR 439.055(5), Wis. Adm. Code; s. 285.65(3), Wis. Stats.]	(5) The fabric filter baghouse shall be that necessary to achieve an outlet concentration of not more than 0.0034 gr/acf. This and the maximum inlet flow of 3,200 ACFM are the basis for the PM limitation. [s. NR 406.10, Wis. Adm. Code]
CF-166]	tations	(1) The emissions may not exceed 0.093 lbs/hr of PM and PM ₁₀ from the baghouse stack S12. ¹⁰ [s. NR 404.08(2), Wis. Adm. Code: s. 285.65(3) and	(7), Wis. Stats.] (2) Stack Parameters These requirements are included because the source was	reviewed with these stack parameters and it was determined that no increments or ambient air quality standards will be violated when constructed as proposed.	(a) The stack height shall be at least 96.0 feet above ground level. [(s. 285.65(3), Stats. and s. NR 406.10, Wis. Adm. Code]	(b) 10 stack inside danicon at the outlet may not exceed 1.0 feet [s. 285.65(3), Stats. and s. NR 406.10, Wis. Adm. Code]
superseded under 06-DCF-166]	Pollutant	1. Particulate Matter (PM) and PM ₁₀ Emissions				

10 The facility has elected to meet this limit in order to attain and maintain the national ambient air quality standard and increment for PM 10. This restriction also ensures that this project is minor under Part 70 and PSD.

P12/S12 /C12 - Mill Bins Transfer Filter - Baghouse for areas that transfers milled product to product storage bins [Conditions from 02-RV-166, revised | superseded under 06-DCF-166]

Pollutant a. Lim	a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and
		A CONTRACTOR OF THE CONTRACTOR	Monitoring Requirements
 Particulate Matter PM) and PM₁₀ Emissions [Continued] 	(c) The stack may not be equipped with a rainhat or other device which impedes the upward flow of the exhaust gases. [s. 285.65(3), Stats. and s. NR 406.10, Wis. Adm. Code]	(6) Compliance emission tests of the PM emissions, exhaust flows and outlet grain loading (gr/dscf) shall be conducted upon request of the Department. See additional stack testing conditions under I.X.4. [s. NR 439.03, Wis. Adm. Code]	(6) The permittee shall keep and maintain on site technical drawings, blueprints or equivalent records of the physical stack parameters. [s. NR 439.04(1)(d), Wis. Adm. Code]
2. Visible Emissions	(1) The permittee may not discharge from S12, P12 into the atmosphere any gases which exhibit greater than 20% opacity. [s. R 431.05, Wis. Adm. Code]	(1) The requirements in I.N.1 b. shall be used to demonstrate compliance with the visible emissions limit. [s. 285.65(3), Wis. Stats.]	(1) Whenever compliance testing is required, USEPA Method 9 shall be used or an alternate method approved in writing by the Department, shall be used. [s. NR 439.06(9)(a)1., Wis. Adm. Code] (2) The records required in I.N.1.c., shall be used as recordkeeping and monitoring requirements for the visible emissions limit. [s. 285.65(3), Wis. Stats.]
3. Fugitive Emissions	(1) No person may cause, allow or permit any material to be handled, transported or stored without taking precaution to prevent particulate matter from becoming airborne. [s. NR 415.04, Wis. Adm. Code]	(1) The permittee shall comply with the requirements established in I.X.8.b. for compliance demonstration. [s. 285.65(3), Wis. Stats.]	(1) The permittee shall comply with the requirement established in I.X.8.c. for recordkeeping and monitoring requirements. [s. 285.65(3), Wis. Stats.]

0. P14; P21, P22; P23 /S14 / C14- RCPF Hammermill Filter - Grain Milling; Grain Conveyor to Ethanol Plant; Raw Grain Storage Silos; Grain Storage and Gain Handling: Product Storage Silos | IConditions from 02-RV-166, modified under 06-DCF-166|

Transling Dandriot Oto	rade Ciles Conditions from 02-	KV-166, modined under un-exce-avoi	
Pollutant	a. Limitations	trant a. Limitations b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
1. Particulate Matter (PM) and PM ₁₀ Emissions	(1) The emissions may not exceed 0.073 lbs/hr of PM and PM ₁₀ from the baghouse stack S14 ¹¹ , [s. NR 408.04(2), Wis. Adm. Code: s. 285.65(3) and	(1) The facility shall operate / direct emissions to the baghouse at all times the process is in operation. [s. 285.65(3), Wis. Stats.]	(1) Whenever compliance emission testing for PM & PM ₁₀ is required, USEPA Method 5, including backhalf (Method 202) shall be used to demonstrate compliance or an alternate method approved in writing by the Department, shall be used. [s. NR 439.06(1m), Wis. Adm. Code]
	(7), Wis. Stats.] (2) Stack Parameters These requirements are included because the source was	maintain the instrumentation necessary to monitor the pressure drop across the baghouse (or other monitoring technology as approved by the Department in writing). [s. NR 439.055(1) and (4), Wis. Adm. Code]	(2) The facility shall monitor and record the pressure drop across the baghouse at least once for each 8 hours of operation of any process or once per day of operation, whichever yields the greater number of measurements. [s. NR 439.055(2), Wis. Adm. Code]
	reviewed with these stack parameters and it was determined that no increments	(3) The pressure drop across the baghouse shall be maintained within the range of 2-5 inches of water column or with approval from the Department in	(3) Refer to the Malfunction Prevention and Abatement requirements of I.X.3.
	or amotent an quanty scandards will be violated when constructed as proposed. (a) The stack height shall be at	writing, an alternative range or monitoring technology used to demonstrate compliance. [s. 285.65(3), Wis. Stats. s;. NR 407.09(1)(c), Wis. Adm. Code]	(4) The permittee shall keep records of all inspections, checks and any maintenance or repairs performed on the baghouse. These records shall include the date of action and a description of any corrective actions taken. [s. NR
	least 126.0 feet above ground level. [(s. 285.65(3), Stats. and s. NR 406.10, Wis. Adm. Code]	(4) The baghouse shall be inspected once per month for any leaks or tears. [s. NR 439.055(5), Wis. Adm. Code; s. 285.65(3), Wis. Stats.]	439,04(1)(d), Wis. Adm. Code] (5) The facility shall maintain records / documentation of the charic filter hardnesse design, testing, maximum exhaust
	(b) The stack inside diameter at the outlet may not exceed 1.0 feet [s. 285.65(3), Stats. and s. NR 406.10, Wis. Adm. Code]	(5) The fabric filter baghouse shall be that necessary to achieve an outlet concentration of not more than 0.0034 gr/acf as noted within the application. This and the maximum inlet flow of 2,500 ACFM are the basis for the PM limitation. Is. NR 406.10, Wis. Adm. Codel	flows, fan / blower information and emission guarantees which document the baghouse is designed to achieve the noted outlet concentration, and emission limit when properly operated and maintained. [s. NR 439.04(1)(d), Wis. Adm. Code]
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11 The facility has elected to meet this limit in order to actain and maintain the national ambient air quality standardand increment for PM 19. This restriction also ensures that this project is minor under Part 70 and PSD.

0. P14; P21, P22; P23 // Handling; Product St	S14 / C14— RCPF Hammermill Fi orage Silos [Conditions from 02	P14; P21, P22; P23 /S14 / C14- RCPF Hammermill Filter - Grain Milling; Grain Conveyor to Ethanol Pl Handling: Product Storage Silos [Conditions from 02-RV-166, modified under 06-DCF-166]	P14; P21, P22; P23 /S14 / C14- RCPF Hammermill Filter - Grain Milling; Grain Conveyor to Ethanol Plant; Raw Grain Storage Silos; Grain Storage and Gain Handling; Product Storage Silos [Conditions from 02-RV-166, modified under 06-DCF-166]
Pollutant	a, Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
Particulate Matter (PM) and PM ₁₀ Emissions [Continued]	(c) The stack may not be equipped with a rainhat or other device which impedes the upward flow of the exhaust gases. [s. 285.65(3), Stats. and s. NR 406.10, Wis. Adm. Code]	(6) Compliance emission tests shall be conducted within 180 days after the start of initial operation following completion of modification (or authorization to construct expiration, whichever comes first) to demonstrate compliance with the PM emission limit, exhaust flow and grain loading (gr/dscf). See additional stack testing requirements under I.X.4. [s. NR 439.07(1), Wis. Adm. Code] (7) The permittee may not exhaust emissions from any vents / fans on the storage silos (P22 / P23); These emissions shall be collected and directed to the control C14. [s. 285.65(3), Wis. Stats.; s. NR 406.10, Wis. Adm. Code]	 (6) The permittee shall keep the following records: (a) Maximum silo/bin capacities and maximum throughputs in tons. (b) emissions factor based on AP-42. (c) Manufacturer specifications information of the baghouse and information / documentation regarding the means directing the emissions to the baghouse. [s. 285.65(3), Wis. Stats.] (7) The permittee shall keep and maintain on site technical drawings, blueprints or equivalent records of the physical stack parameters. [s. NR 439.04(1)(d), Wis. Adm. Code]
2. Visible Emissions	(1) The permittee may not discharge from S14, P14 into the atmosphere any gases which exhibit greater than 20% opacity. [s. NR 431.05, Wis. Adm. Code]	(1) The requirements in I.O.1.b. shall be used to demonstrate compliance with the visible emissions limit. [s. 285.65(3), Wis. Stats.]	(1) Whenever compliance testing is required, USEPA Method 9 shall be used or an alternate method approved in writing by the Department, shall be used. [s. NR 439.06(9)(a)1., Wis. Adm. Code] (2) The records required in I.O.1.c. shall be used as recordkeeping and monitoring requirements for the visible emissions limit. [s. 285.65(3), Wis. Stats.]
3. Fugitive Emissions	(1) No person may cause, allow or permit any material to be handled, transported or stored without taking precaution to prevent particulate matter from becoming airborne. [s. NR 415.04, Wis. Adm. Code]	(1) The permittee shall comply with the requirements established in I.X.8.b. for compliance demonstration. [s. 285.65(3), Wis. Stats.]	(1) The permittee shall comply with the requirements established in I.X.8.c. for recordkeeping and monitoring requirements. [s. 285.65(3), Wis. Stats.]

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p14/S17/C17 South	p pr 4/S17 (C17 South Truck Unload/Loading Building]	g Filter: Grain Receiving [Conditions from 02-RV-16	[Conditions from 02-RV-166, revised / superseded under 06-DCF-166]
Pollutant -		stration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
1. Particulate Matter (PM) and PM ₁₀ Emissions	(1) The emissions may not exceed 0.069 lb/hr of PM and PM ₁₀ from the baghouse stack	(1) The facility shall operate / direct emissions to the baghouse at all times the process is in operation. [s. 285.65(3), Wis. Stats.]	(1) Whenever compliance emission testing for PM & PM ₁₀ is required, USEPA Method 5, including backhalf (Method 202) shall be used to demonstrate compliance or an alternate
and a second	S15. ¹² [s. NR 404.08(2), Wis. Adm. Code; s. 285.65(3) and (7), Wis. Stats.]	(2) The facility shall install, calibrate, operate and maintain the instrumentation necessary to monitor particulate matter emissions using a bag break	method approved in withing by the Department, stain be used. Please note compliance with the test methods and procedures to meet the NSPS requirements are identified in s. NR 440.47(4), Wis. Adm. Code. [s. NR 440.47(4)(b)].
	(2) Stack Parameters These requirements are included because the source was	detector / emissions monitor, within 150 days of commencing construction. [s. NR 439.055(1) and (4), Wis. Adm. Code].	and (c), Wis. Adm. Code, s. NR 439.06(1m), Wis. Adm. Code] On The facility shall monitor and record the pressure drop
	reviewed with these stack parameters and it was determined that no increments or ambient air quality standards	(3) The output from the bag break detector shall be maintained within the range or below the value shown to be in compliance with the particulate	operation of any process or once for each 8 hours of operation, whichever yields the greater number of measurements.
olenske protest of constant of	will be violated when constructed as proposed. (a) The stack height shall be at	from the Department in writing, an alternative range used to demonstrate compliance. Prior to	break detector / emissions monitor has been installed and operated. [s. NR 439.055(2), Wis. Adm. Code]
	least 100.0 feet above ground level. [(s. 285.65(3), Stats. and s. NR 406.10, Wis. Adm. Code]	use of the bag break detector / emission monitor, the pressure drop shall be measured and maintained within the range of 2.0 to 5.0 inches of water column. [s. 285.65(3), Wis. Stats. s;. NR	(3) Upon installation, calibration and initial operation of the bag break detector / emissions monitor, the facility shall monitor and record the output from a bag break detector /
	(b) The stack inside diameter at the outlet may not exceed 1.64 feet [s. 285,65(3), Stats.	407.09(1)(c), Wis. Adm. Code] (4) The bachouse shall be inspected once per	emissions monitor at 1.3 finding that year, (v.g. electrodynamic or triboelectric detectors). [s. NR 439,055(2), Wis. Adm. Code]
	and s. NR 406.10, Wis. Adm. Code]	month for any leaks or tears. [s. NR 439.055(5), Wis. Adm. Code and s. 285.65(3), Wis. Stats.]	(4) Refer to the Malfunction Prevention and Abatement requirements of I.X.3.
naevad domento proprio se su a contra Al		(5) The fabric filter baghouse shall be that necessary to achieve an outlet concentration of not more than 0.0010 gr/acf. This and the maximum inter flow of 8.000 ACFM are the basis for the PM	(5) The permittee shall keep records of all inspections, checks and any maintenance or repairs performed on the baghouse. These records shall include the date of action and
4-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2		limitation. [s. NR 406.10, Wis. Adm. Code]	a description of any corrective actions taken. [s. NR 439.04(1)(d), Wis. Adm. Code]

12 The facility has elected to meet this limit in order to attain and maintain the national ambient air quality standard and increment for PM 10. This restriction also ensures that this project is minor under Part 70 and PSD.

P. P15/S17/C17 - South	Truck Unload/Loading Building	P15/S17 /C17 - South Truck Unload/Loading Building Filter: Grain Receiving Conditions from 02-RV-166, revised / superseded under 06-DCF-166]	66, revised / superseded under 06-DCF-166]
Pollutant	a, Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
Particulate Matter (PM) and PM ₁₀ Emissions [Continued]	(c) The stack may not be equipped with a rainhat or other device which impedes the upward flow of the exhaust gases. [s. 285.65(3), Stats. and s. NR 406.10, Wis. Adm. Code]	(6) Compliance emission tests shall be conducted within 180 days after the start of initial operation following completion of modification (or authorization to construct expiration, whichever comes first) to demonstrate compliance with the PM emission limit, exhaust flow and grain loading (gr/dscf). The stack testing shall be done following installation of the bag break detector / emissions monitor, to assist in calibration. See additional stack testing requirements under I.X.4. [s. NR 439,07(1), Wis. Adm. Code]	(6) The facility shall maintain records / documentation of the fabric filter baghouse design, testing, maximum exhaust flows, fan / blower information and emission guarantees which document the baghouse is designed to achieve the noted outlet concentration, and emission limit when properly operated and maintained. [s. NR 439.04(1)(d), Wis. Adm. Code] (7) The permittee shall keep and maintain on site technical drawings, blueprints or equivalent records of the physical stack parameters. [s. NR 439.04(1)(d), Wis. Adm. Code]
2. Visible Emissions	(1) The permittee may not discharge from S15, P15 into the atmosphere any fugitive gases which exhibit greater than 5% opacity. [s. NR 440.47(3)(b)2., Wis. Adm. Code] (2) The permittee may not discharge into atmosphere any gases from stack S15, P15 which exhibit greater than 0% opacity. [s. NR 440.47(3)(c)1., Wis. Adm. Code	(1) A visible emissions compliance test shall be performed simultaneous with the PM & PM ₁₀ emissions test required in I.P.1.b.(4). [s. NR 439.07(1), Wis. Adm. Code] (2) The requirements in I.P.1.b. shall be used to demonstrate compliance with the visible emissions limit. [s. 285.65(3), Wis. Stats.]	(1) Whenever compliance testing is required, USEPA Method 9 shall be used. [s. NR 440.47(4)(b)3., Wis. Adm. Code, s. NR 439.06(9)(a)1., Wis. Adm. Code] (2) The records required in I.P.1.c. shall be used as recordkeeping and monitoring requirements for the visible emissions limit. [s. 285.65(3), Wis. Stats.]
3. Fugitive Emissions	(1) No person may cause, allow or permit any material to be handled, transported or stored without taking precaution to prevent particulate matter from becoming airborne. [s. NR 415.04, Wis. Adm. Code]	(1) The permittee shall comply with the requirements established in I.X.8.b. for compliance demonstration. [s. 285.65(3), Wis. Stats.]	(1) The permittee shall comply with the requirements established in I.X.8.c. for recordkeeping and monitoring requirements. [s. 285.65(3), Wis. Stats.]

FID 111081520; Permit No. 06-DCF-166.

	Micro Croin Wilter Croin Mi	nasonal and and any consistent wither Spain Milling 1Conditions from 02-RV-166, revised / superseded under 06-DCF-166]	eded under 06-DCF-166]
Pollutant	a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
 Particulate Matter (PM) and PM₁₀ Emissions 	(1) The emissions may not exceed 0.52 lb/hr of PM and PM ₁₀ from the baghouse stack S21 ¹³ [s. NR 404.08(2), Wis.		(1) Whenever compliance emission testing for PM & PM ₁₀ is required, USEPA Method 5, including backhalf (Method 202) shall be used to demonstrate compliance or an alternate method approved in writing by the Department, shall be
,	Adm. Code; s. 285.65(3), Wis. Stats.]	(2) The facility shall install, calibrate, operate and maintain the instrumentation necessary to monitor the pressure drop across the baghouse (or other	(2) The facility shall monitor and record the pressure drop
	(2) <u>Stack Parameters</u> These requirements are included because the source was	monitoring technology as approved by the Department in writing). [s. NR 439.055(1) and (4), Wis. Adm. Code]	across the pagnouse at teast once for each o nows or operation of any process or once per day of operation, whichever yields the greater number of measurements. Any alternative monitoring technology monitoring / records shall
	reviewed with these stack parameters and it was determined that no increments	(3) The pressure drop across the baghouse shall be maintained within the range of 2-5 inches of water column or with amproval from the Department in	be at the frequency required for that technology (but not less than the above frequency). [s. NR 439.055(2), Wis. Adm. Code]
	or ambient air quality standards will be violated when constructed as proposed. (a) The stack height shall be at	writing, an alternative range or monitoring technology used to demonstrate compliance. [s. 285.65(3), Wis. Stats, s., NR 407.09(1)(c), Wis. Adm. Code]	(3) Refer to the Malfunction Prevention and Abatement requirements of L.X.3.
	least 92 teet above ground level. [(s. 285.65(3), Stats, and s, NR 406.10, Wis. Adm. Code]	(4) The baghouse shall be inspected once per month for any leaks or tears. [s. NR 439.055(5),	(4) The permittee shall keep records of all inspections, checks and any maintenance or repairs performed on the haghouse. These records shall include the date of action and
	(b) The stack inside diameter at the outlet may not exceed	Wis. Adm. Code and s. 285.65(3), Wis. Stats.]	a description of any corrective actions taken. [s. NR 439.04(1)(d), Wis. Adm. Code]
	2.0 feet [s. 285.65(3), Stats. and s. NR 406.10, Wis. Adm. Code]	(5) The fabric futer baghouse shall be that necessary to achieve an outlet concentration of not more than 0.0034 gr/dscf. This and the maximum	(5) The facility shall maintain records / documentation of the fabric filter baghouse design, testing, maximum exhaust
nationary of Prosident		inlet flow of 18,000 ACFM are the basis for the PM limitation. [s. NR-406.10, Wis. Adm. Code]	flows, fan / blower information and emission guarantees which document the baghouse is designed to achieve the
ere ever ever even fallan da			operated and maintained. [s. NR 439.04(1)(d), Wis. Adm. Code.]

13 The facility has elected to meet this limit in order to attain and maintain the national ambient air quality standard and increment for PM 10. This restriction also ensures that this project is minor under Part 70 and PSD.

Pollutant	Pollutant a. Limitations	b. Compliance Demonstration c. Reference Test Meth	seded under vo-JK-K-166j c. Reference Test Methods, Recordkeeping and
Particulate Matter (PM) and PM ₁₀ Emissions [Continued]	(c) The stack may not be equipped with a rainhat or other device which impedes the upward flow of the exhaust gases. [s. 285.65(3), Stats. and s. NR 406.10, Wis. Adm. Code]	(6) Compliance emission tests of the PM emissions, exhaust flows and outlet grain loading (gr/dscf) shall be conducted upon request of the Department. See additional stack testing conditions under I.X.4. [s. NR 439.03, Wis. Adm. Code]	(6) The permittee shall keep and maintain on site technical drawings, blueprints or equivalent records of the physical stack parameters. [s. NR 439.04(1)(d), Wis. Adm. Code]
2. Visible Emissions	(1) The permittee may not discharge from S21, P19 into the atmosphere any gases which exhibit greater than 20% opacity. [s. NR 431.05, Wis. Adm. Code]	(1) The requirements in I.Q.1.b. shall be used to demonstrate compliance with the visible emissions limit. [s. 285,65(3), Wis. Stats.]	(1) Whenever compliance testing is required, USEPA Method 9 shall be used or an alternate method approved in writing by the Department, shall be used. [s. NR 439.06(9)(a)1., Wis. Adm. Code] (2) The records required in I.Q.1.c. shall be used as recordsceping and monitoring requirements for the visible emissions limit. [s. 285.65(3), Wis. Stats.]
3. Fugitive Emissions	(1) No person may cause, allow or permit any material to be handled, transported or stored without taking precaution to prevent particulate matter from becoming airborne. [s. NR 415.04, Wis. Adm. Code]	(1) The permittee shall comply with the requirements established in I.X.8.b. for compliance demonstration. [s. 285.65(3), Wis. Stats.]	(1) The permittee shall comply with the requirements established in I.X.8.c. for recordkeeping and monitoring requirements. [s. 285.65(3), Wis. Stats.]

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R. P20/S22 / C22 – Mill Pollutant	l/Germ Recovery/Toasting/Grindi a. Limitations	P20/S22 / C22 – Mill/Germ Recovery/Toasting/Grinding Filter – Grain Milling Conditions from 02-KV-100, revised / supersected under 02-DCF-100] a. Limitations b. Compliance Demonstration c. Reference Test Methods, Recordkeeping Monitoring Requirements	oo, revised / supersetted under oo-DCF-tooj c. Reference Test Methods, Recordkeeping and Monitoring Requirements
1. Particulate Matter (PM) and PM. Emissions	(1) The emissions may not exceed 0.52 lbs/hr of PM and	ate / direct emissions to	(1) Whenever compliance emission testing for PM & PM ₁₀ is required, USEPA Method 5, including backhalf (Method
	PM ₁₀ from the baghouse stack	[s. 285.65(3), Wis. Stats.]	202) shall be used to demonstrate compliance or an alternate method approved in writing by the Department,
,	Adm. Code; s. 285.65(3), Wis.	(2) The facility shall install, calibrate, operate and	shall be used. [s. NR 439.06(1m), Wis. Adm. Code]
	Stats.]	maintain the instrumentation necessary to monitor the pressure drop across the baghouse (or other	(2) The facility shall monitor and record the pressure drop
,	(2) Stack Parameters These	monitoring technology as approved by the Denortment in varieties NR 429 ()55(1) and (4)	across the baghouse at least once for each 8 hours of operation of any process or once per day of operation,
alan and the second	requirements are included because the source was	Wis. Adm. Code]	whichever yields the greater number of measurements. Any
	reviewed with these stack	(2) The meaning dress are somethe temporals the	alternative monitoring technology momentary receives such the at the frequency required for that technology (but not
•	parameters and it was	(3) Life pressure they across the raginous sum of maintained within the range of 2-5 inches of water	less than the above frequency). [s. NR 439.055(2), Wis.
· ·	determined that no increments or ambient air quality standards	column or with approval from the Department in	Adm. Code]
	will be violated when	writing, an alternative range or monitoring fechnology used to demonstrate compliance. [s.	(3) Refer to the Malfunction Prevention and Abatement
	constructed as proposed. (a) The stack height shall be at	285.65(3), Wis. Stats. s;. NR 407.09(1)(c), Wis.	requirements of LX.3.
S. Carlotta	least 92 feet above ground	Adm. Code]	***
-maximus -	level. [(s. 285.65(3), Stats. and s NR 406 10. Wis. Adm. Code]	(4) The baghouse shall be inspected once per month	(4) The permittee shall keep records of all inspections, checks and any maintenance or repairs performed on the
-instance (France		for any leaks or tears. [s. NR 439.055(5), Wis. Adm. Code; s. 285.65(3), Wis. Stats.]	baghouse. These records shall include the date of action
· ·	(b) the stack inside diameter at the outlet may not exceed		439.04(1)(d), Wis. Adm. Code]
	2.5 feet [s. 285.65(3), Stats.	(5) The fabric filter baghouse shall be that	
	and s. NR 406.10, Wis. Adm.	necessary to achieve an outlet concentration of not	(5) The facility shall maintain records / documentation of
	Code	more man 0.0034 gr/usci. 11th and use maximum inlet flow of 18.000 ACFM are the basis for the PM	flows, fan / blower information and emission guarantees
		limitation. [s. NR 406.10, Wis. Adm. Code]	which document the baghouse is designed to achieve the
-			noted outlet concentration, and emission limit when
·	-		properly operated and maintained. [s. NK 435.04(1)(d), Wis. Adm. Code]
·			-

14 The facility has elected to meet this limit in order to actain and maintain the national ambient air quality standard and increment for PM 10. This restriction also ensures that this project is minor under Part 70 and PSD.

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[66, revised / superseded under 06-DCF-166]	c. Reference Test Methods, Recordkeeping and Monitoring Requirements	(6) The permittee shall keep and maintain on site technical drawings, blueprints or equivalent records of the physical stack parameters. [s. NR 439.04(1)(d), Wis. Adm. Code]	(1) Whenever compliance testing is required, USEPA Method 9 shall be used or an alternate method approved in writing by the Department shall be used. [s. NR 439.06(9)(a)1., Wis. Adm. Code] (2) The records required in I.R. i.c. shall be used as recordkeeping and monitoring requirements for the visible emissions limit. [s. 285.65(3), Wis. Stats.]		(1) The permittee shall comply with the requirements established in I.X.8.c. for recordkeeping and monitoring requirements. [s. 285.65(3), Wis, Stats.]
P20/S22 / C22 - Mill/Germ Recovery/Toasting/Grinding Filter - Grain Milling [Conditions from 02-RV-166, revised / superseded under 06-DCF-166]	b. Compliance Demonstration	(6) Compliance emission tests of the PM emissions, exhaust flows and outlet grain loading (gr/dscf) shall be conducted upon request of the Department. See additional stack testing conditions under I.X.4. [s. NR 439.03, Wis. Adm. Code]	(1) The requirements in I.R.1.b. shall be used to demonstrate compliance with the visible emissions limit. [s. 285.65(3), Wis. Stats.] (2) A visible emissions compliance testing shall be performed simultaneous with the PM and PM10 emission test required in I. R. 1.b.(5). [s. NR 439.07(1), Wis. Adm. Code]		(1) The permittee shall comply with the requirements established in I.X.8.b. for compliance demonstration. [s. 285.65(3), Wis. Stats.]
Germ Recovery/Toasting/Grindi	a. Limitations	(c) The stack may not be equipped with a rainhat or other device which impedes the upward flow of the exhaust gases. [s. 285.65(3), Stats. and s. NR 406.10, Wis. Adm. Code]	(1) The permittee may not discharge from S21, P19 into the atmosphere any gases which exhibit greater than 20% opacity. [s. NR 431.05, Wis. Adm. Code]		(1) No person may cause, allow or permit any material to be handled, transported or stored without taking precaution to prevent particulate matter from becoming airborne. [s. NR 415.04, Wis. Adm. Code]
R. P20/S22 / C22 - Mill/	Pollutant	Particulate Matter (PM) and PM ₁₀ Emissions [Continued]	2. Visible Emissions		3. Fugitive Emíssions

					,
[Conditions from 02-RV-166, revised / superseded under 06-DCF-166] tion c. Reference Test Methods, Recordkeeping and Monitoring Requirements	(1) Whenever compliance emission testing for PM & PM ₁₀ is required, USEPA Method 5, including backhalf (Method 202) shall be used to demonstrate compliance or an alternate method approved in writing by the Department, shall be used. [s. NR 439.06(1m), Wis. Adm. Code]	(2) <u>Reference Test Method for PM₁₀ Emissions:</u> Whenev compliance emission testing is required, the appropriate US EPA Method; 201 or 201A shall be used to demonstrate compliance. [s. NR 439.06(1m), Wis. Adm. Code]	 (3) The permittee shall keep the following records: (a) Maximum s capacities and maximum throughputs in tons. (b) AP-42 emissions factor. (c) Detailed records of the hours of operation. This shall 	include the startup time / date, shutdown time / date. Operating times shall include loading, drying and unloading. [s. 285.65(3), Wis. Stats.]	drawings, blueprints or equivalent records of the physical discharge parameters. [s. NR 439.04(1)(d), Wis. Adm. Code]
19,34 MMBTU/hr (1999) [Conditions from 02-R' b. Compliance Demonstration	(1) The permittee shall demonstrate compliance with the hourly emission rates using maximum throughputs and AP-42 emission factors. [s. 285.65(3), Wis. Stats.]	(2) The grain dryer may only be fired using natural gas. [s. NR 406.10, Wis. Adm. Code] (3) The grain dryer may only be used during the period from October through November and only	during the hours of 10 AM through 3 FM. 18. 285.65(3) and (7), Wis. Stats; s. NR 404.08(2), and s. NR 406.10, Wis. Adm. Code]		
S. P16, F18, Grain Dryer No. 3 Natural gas fired burner Pollutant	(1) The emissions may not exceed 9.39 lb/hr of PM and 2.39 lb/hr of PM ₁₀ from F18. ¹⁵ [s. NR 415.05(1)(n), Wis. Adm. Code and s. NR 415.05(2), Wis.	Adm. Code, and s. 285.65(3), Wis. Stats.] (2) Stack Parameters These requirements are included	because the source was reviewed with these stack parameters and it was determined that no increments or ambient air quality standards will be violated when	constructed as proposed. (a) The average discharge height shall be at least 56.7 feet above ground level (as modeled for a volume source).	[(s. 285.65(3), Stats. and s. NR 406.10, Wis. Adm. Code]
S. P16, F18, Grain Dryer Pollutant	1. Particulate Matter (PM) and PM ₍₀ Emissions				N No.

18 The facility has elected to meet this limit in order to attain and maintain the national ambient air quality standard and increment for PM₁₀. This restriction also ensures that this project is minor under Part 70 and PSD.

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c. Reference Test Methods, Recordkeeping and Monitoring Requirements	(1) Whenever compliance testing is required, USEPA Method 9 and the procedures in s. NR 440.11, Wis. Adm. Code shall be used to determine the opacity. [s. NR 440.47(4), Wis. Adm. Code, s. NR 439.06(9)(a)1., Wis. Adm. Code]	(1) The permittee shall comply with the requirements established in I.X.8.c. for recordkeeping and monitoring requirements. [s. 285.65(3), Wis. Stats.
Pollutant a. Limitations b. Compilance Demonstration c	(1) Compliance emission tests shall be conducted within 90 days of permit issuance to demonstrate compliance with the visible emission limit in I.S.2.a.(1)(a) when process #P16, is operating at 100% capacity. If operation at 100% capacity is not feasible, the source shall operate at a capacity level, which is approved by the Department in writing. If the compliance emission tests cannot be conducted within 90 days of permit issuance, the permit holder may request and the Department may approve, in writing, an extension of time to conduct the test(s). [s. NR 439.07(1), Wis. Adm. Code]	(1) The permittee shall comply with the requirements established in I.X.8.b. for compliance demonstration. [s. 285.65(3), Wis. Stats.]
a. Limitations	(1) (a) The permittee may not discharge from P16, F18 into the atmosphere any gases which exhibit greater than 0% opacity from any column dryer with column plate perforation exceeding 2.4 mm diameter (ca. 0.094 inch) to meet NSPS. [s. NR 440.47(3)(a)1., Wis. Adm. Code] (b) The permittee may not discharge from P16, F18 into atmosphere any gases which exhibit greater than 20% opacity from any column plate perforation not exceeding 2.4 mm diameter (ca. 0.094 inch) [s. 285.65(3), Wis. Stats.]	(1) No person may cause, allow or permit any material to be handled, transported or stored without taking precaution to prevent particulate matter from becoming airborne. [s. NR 415.04, Wis. Adm. Code]
S. 110, 110, Grant Diye. Pollutant	2. Visible Emissions	3. Fugitive Emissions

B01, S15, Boiler No. 1 8.4 MMBTU/hr. B02; S16 - Boiler No. 2. 6.3 MMBTU/hr These boilers are not subject to NSPS (< 10 MMBTU/hr) [Conditions from 02-RV-166, revised / superseded under 06-DCF-166]

Pollutant a. Limitations	a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
1. Particulate Matter (PM) and PM ₁₀ Emissions	(1) The emissions may not exceed 0.064 lb/m of PM and PM ₁₀ from S15. ¹⁶ [s. 285.65(7), Wis. Stats.]	(1) The permittee may fire only natural gas. [s. 285.65(3), Wis. Stats.; s. NR 406.10, Wis. Adm. Code] (2) See I.T.1.c.(3).	(1) Whenever compliance emission testing for PM & PM ₁₀ is required, USEPA Method 5, including backhalf (Method 202) shall be used to demonstrate compliance or an alternate method approved in writing by the Department, shall be used. [s. NR 439.06(1m), Wis. Adm. Code]
	exceed 0.048 lbs/hr of PM and PM ₁₀ from S16 [s. 285.65(7), Wis. Stats.]	(3) Each boiler shall be properly tuned and maintained, in accordance with the manufacturer's specifications and requirements. The malfunction	(2) The permittee shall retain on site plans, and specifications that indicate the boiler's fuel design capabilities. [s. NR.439.04(1)(d), Wis. Adm. Code]
	(3) The facility shall permanently shutdown, and/or make inoperable, the boiler B03 within 30 days of commencing	prevention and abatement plan section, 1.X.3., also applies to the boilers. [s. NR 439.11, Wis. Adm. Code].	(3) The facility shall maintain documentation and other information necessary to demonstrate that the boiler B03 has been permanently disconnected from its fuel / power sources and/or made permanently inoperable within the stranger of NP 430 04(1)(4) Wis Adm Codel
,	operation of the botters DOT of B05. [s. 285.65(3) and (7), Wis. Stats.]		ריייסי (בי יואד איסייסי (בי
o program i martin co program de la constanta	(4) 0.0076 pounds per million BTU from respective stack. ¹⁷ [s. 285.65(3), Wis. Stats.; s. NR 404.08(2) and s. NR 415.06,		
-	Wis. Adm. Code		

17 This emission limit (based on the AP-42 Emission Factor of 7.6 lbs/cf6, and a fuel containing 1000 BTU/cf) is more restrictive than that in s. NR 415.06(2)(a), Wis. Adm. Code (0.15 lbs/MMBTU).

These boilers are \underline{not} subject to NSPS (< 10 MMBTU/hr) [Conditions from 02-	c. Reference Test Methods, Recordkeeping and Monitoring Requirements	(6) The permittee shall keep and maintain on site technical drawings, blueprints or equivalent records of the physical stack parameters. [s. NR 439.04(1)(d), Wis. Adm. Code]				(1) Whenever compliance testing is required, USEPA Method 9 shall be used or an alternate method approved in writing by the Department, shall be used. [s. NR 439.06(9)(a)1., Wis. Adm. Code]
Boiler No. 2. 6.3 MIMBTU/hr These boilers are <u>not</u>	b. Compliance Demonstration					(1) The permittee may fire only natural gas in the boilers. [s. 285.65(3), Wis. Stats.]
B01, S15, Boiler No. 1 8.4 MMBTU/hr. B02; S16 Boi RV-166, revised / superseded under 06-DCF-166]	a. Linitations	(2) Stack Parameters These requirements are included because the source was reviewed with these stack parameters and it was determined that no increments or ambient air quality standards will be violated when constructed as proposed.	(a) The stack heights shall be at least 30 feet above ground level. [(s. 285.65(3), Stats. and s. NR 406.10, Wis. Adm. Code]	(b) The stack inside diameter at the outlet may not exceed 1.33 feet [s. 285.65(3), Stats. and s. NR 406.10, Wis. Adm. Code]	(c) The stack may not be equipped with a rainhat or other device which impedes the upward flow of the exhaust gases. [s. 285.65(3), Stats. and s. NR 406.10, Wis. Adm. Code]	(1) The permittee may not discharge into the atmosphere any gases which exhibit greater than 20% opacity. [s. NR 431.05, Wis. Adm. Code]
7. B01, S15, Boiler No. 1 RV-166, revised / supe	Pollutant	1. Particulate Matter (PM) and PM10 Emissions		nave niconaucus servicios de se	Constant from the work of the annual time as the work of the constant of the c	2. Visible Emissions

The state of the s	c, Reference Test metricus, nevorus Repoins and Monitoring Requirements		
	b. Compliance Demonstration		
	a. Limitations	THE PROPERTY OF THE PROPERTY O	
U. Not used	Pollutant		

V. 1SF Monitoring Conditions in our offer 1995 (2015) Specific Conditions	a, Specific Conditions
1. TSP Monitoring	(1) The location of the total suspended particulate (TSP) ambient air monitor shall be examined and re-evaluated to assure that its location is appropriate based on the new facility configuration following commencement of construction of the ethanol plant. This shall be installed and operated (at a new location if determined to be appropriate) within 60 days of commencing construction of the ethanol facility, in according to guidance provided by the Department's Ambient Air Monitoring Section of the Bureau of Air Management as found in the Air Monitoring Comparability Program guidelines, and in consultation with the local compliance inspector. This shall be for a period of thirty six (36) months or up to 24 months following initial operation of the ethanol facility, whichever is later. If the Ambient Air Monitor cannot be installed and operated within 60 days of the permit issuance, the permit holder may request in writing, a specific extension of time and the Department may approve
	the extension of time to install and operate the ambient air monitor.
	Ine Departments approval is required for the Searchest sine prior to such that the monitor, the secondary 24-hour average total suspended particulate standard of 150 ug/m³ is detected by the monitor, the Permittee shall submit a written report for the Department's South Central Region, Air Management Section within 15 days of its occurrence.
	The report shall specify what activities took place during the exceedance period, if any on-site meteorological station is installed with the TSP monitor then the wind speed and wind direction recorded on those meteorological instruments during the exceedance period shall also be reported.
	This condition is necessary to show that the TSP ambient air quality standards is not violated.
	Additional control technology or operation restrictions may be requested by the Department if violations of the Ambient Air Quality Standards for TSP is detected by the monitor. [ss. 285.65(3) and s. 285.65(10), Wis. Stats.]
	AND THE PROPERTY OF THE PROPER

itions	a, Limitations	b. Compliance Demonstration	c. Reference lest methods, recordresping
- 1. 된 당부	(1) Latest Available Control Techniques and operating practices (LACT). LACT is distillation, evaporation and centrifugation of	(1) The permittee shall implement an odor prevention and abatement plan. See I.X.1. [s. NR 424,03(2)(c) and s. NR 426.03, Wis.	(1) The permittee shall keep and maintain on site technical drawings, blueprints or equivalent records of the wet cake storage area. [s. NR
	the stillage (wet cake) material to remove water and VOC's from the wet cake prior to storage. LACT includes implementation of an odor prevention and abatement plan (LX.1.) which minimizes emissions resulting from extended storage. [s. NR 424.03(2)(c) and s. NR 426.03, Wis. Adm. Code]	Adm. Code] (2) The wet cake shall be de-watered to insure that the solids fraction is not less than 33 %, or with approval from the Department, an alternative range or limit determined to demonstrate compliance. [s. NR 424.03(2)(c) and s. NR 426.03 Wis, Adm. Code]	439.04(1)(d), Wis. Adm. Code] (2) On any day when spent grain (wet cake) i being sent to the wet cake storage area, the facility shall measure and record, the solids fraction of the wet cake on a daily basis. [5 NR 407.09(4)(a)1., and s. NR 439.04, Wis. Adm. Code]
		(3) Wet cake may not be stored for more than 72 hours when the daily noon-time temperature exceeds 45° F. See I.X.1. [s. NR 424.03(2)(c) and s. NR 426.03, Wis. Adm. Code]	(4) The facility shall maintain records of the dates when wet cake is produced and sent to the storage area. [s. NR 439.04, Wis. Adm. Code]
			(4) See LX.1.c.(4)
• • • • • • • • • • • • • • • • • • •	(1) The permittee may not discharge from F08 into the atmosphere any gases which exhibit greater than 0% opacity. [s. NR 415.04; Wis. Adm. Code]	(1) During normal operations, the requirements in I.W.3.b.shall be used to demonstrate compliance with the visible emissions limit, [s. 285.65(3), Wis. Stats.]	(1) Whenever compliance testing is required, USEPA Method 9 shall be used or an alternate method approved in writing by the Departmer shall be used. [s. NR 439.06(9)(a)1., Wis. Adm. Code]
			(2) The records required in I.H.1.c.(2)&(3) shall be used as recordkeeping and monitoring requirements for the visible emissions limit. [5, 285,65(3), Wis. Stats.]
	(1) No person may cause, allow or permit any material to be handled, transported or stored without taking precaution to prevent particulate matter from becoming airborne. [s. NR 415.04, Wis. Adm. Code]	(1) The permittee shall comply with the requirements established in I.X.8.b. for compliance demonstration. [s. 285.65(3), Wis. Stats.]	(1) The permittee shall comply with the requirements established in I.X.8.c. for recordkeeping and monitoring requirements. [s. 285.65(3), Wis. Stats,]

(2) Wet cake may not be stored for more than 72 hours when the daily noon-time temperature	c. Reference Test Methods, Recordkeeping
exceeds 45° F. See I.X.1. [s. NR 424.03(2)(c)	e than berature ((2)(c)

c. Reference Test Methods, Recordkeeping and Monitoring Requirements	 OBJECTIONABLE ODOR TESTS. An odor shall be deemed objectionable (malodorous) when either or both of the following tests are met: Upon decision resulting from investigation by the department, based upon the nature, intensity, frequency, and duration of the odor well as the type of area involved and other pertinent factors. Or when 60% of a random sample of nersons exposed to the odor in their place of 	residence or employment, other than employment at the odor source, claim it to be objectionable and the nature, intensity, frequency, and duration of the odor are considered. [s. NR 429.03(2), Wis. Adm. Code]	(2) Facility shall maintain records and the procedures necessary to assure compliance with the odor prevention and abatement plan and shall incorporate these into the plan. [s. NR 439.04, Wis. Adm. Code]	(3) The permittee shall keep and maintain on site technical drawings, blueprints or equivalent records of the entire facility. [s. NR 439.04(1)(d), Wis. Adm. Code]	(4) The facility shall maintain a daily record of the noon time temperature measured at the facility and records of how the wet cake is being managed (e.g storage duration, daily	records of wet cake produced and wet cake shipped). [s. NR 439.04, Wis. Adm. Code]	
b. Compliance Demonstration	(1) The permittee shall prepare and implement an odor prevention, abatement and response plan. The plan shall be submitted to the Wisconsin Department of Natural Resources, Reedsburg Area Office Air Program; P.O. Box 281; Reedsburg, WI 53959 for approval within 90 days of initial operation. The department may approve, conditionally approve, conditionally deny, deny or amend the plan. [5. NR 426.03, Wis. Adm. Code]	exist/persist as a result of process operations, the facility shall propose additional means of odor control by providing an amended odor prevention, abatement and response plan proposing the actions/controls needed to	minimize the odors (See (1)). Any additional odor control required by the plan shall be outlined within a compliance schedule that accompanies the amended plan. [s. NR 426.03, Wis. Adm. Code]	(3) The odor prevention and abatement plan shall include elements that require 72 hour limitations on the period that the wet cake may be stored, when the noon daily temperatures exceed 45° F. Operational procedures,	housekeeping details, use of first-in/fitst out, use of food grade preservatives, etc. shall be incorporated into the plan as needed. [s. NR 426.03, Wis. Adm. Code]		
Conditions Applicable to the Entire Facility (Commons from F. Complienty Programment F. Complienty F	(1) General Limitations. No person may allow or permit emissions into the ambient air any substance or combination of substances in such quantities that an objectionable odor is determined to result unless preventative measures satisfactory to the department are taken to abate or control such emission. [s. NR 429.03(1), Wis. Adm. Code]						
X. Conditions Applica Condition Type	1. Malodorous Emissions				wakanni dajuntara wa ka ka ka ri nga ka		

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c. Reference Test Methods, Recordkeeping and Monitoring Requirements	(5) The facility shall maintain records of possible malodor observations and odor complaints received by the public. [s. NR 439.04, Wis. Adm. Code]	None Applicable.		ване-маалдияейнее поступентивня насамення выполня вы
b. Compliance Demonstration	(4) Where possible, the facility shall have the facility staff make observations to determine if malodors may be occurring, and shall investigate possible odor complaints received from the public. In the event of either, the facility, shall notify the department (Reedsburg office) of these within a day following the observation or complaint. [s. NR 426.03 and s. NR 439.03(4), Wis. Adm. Code].	<ol> <li>Upon issuance of the operation permit, the permittee shall submit a monitoring report which contains the results of monitoring or a summary of monitoring or a summary of monitoring regults required by this permit to the Department every 6 months.</li> <li>The time periods to be addressed by the submittal are January 1 through June 30 and July 1 through December 31.</li> <li>The report shall be submitted to the Wisconsin Department of Natural Re-</li> </ol>	sources South Central Region Air Program, Reedsburg Area Office, PO Box 281, Reedsburg, WI, 53959 within 30 days after the end of each reporting period.  (c) All deviations from and violations of applicable requirements shall be clearly identified in the submittal.	(d) Each submittal shall be certified by a responsible official as to the truth, ac-
n Type		<ol> <li>Upon issuance of the operation permit, the permittee shall submit periodic monitoring reports.</li> <li>NR 407.09(1)(c)3., Wis. Adm. Code]</li> <li>Upon issuance of the operation permit, the permittee shall submit periodic certification of compliance.</li> <li>NR 407.09(4)(a)3., Wis. Adm. Code]</li> </ol>	(3) The records required under this permit shall be retained for at least five (5) years and shall be made available to department personnel upon request during normal business hours.  [s. NR 422.127(4)(d), s. NR 439.04, s. NR 439.05, Wis. Adm. Code]	
A. Condition Type		2. Compliance Reports/Records.		Address of the second of the s

ation c. Reference Test Methods, Recordkeeping ation and Monitoring Requirements	ness of the report.	ibmittal is de- Part II of the op-	Wis. Adm. Code]	e operation permit, ubmit an annual	oliance with the re- ermit to the Wis- of Natural Re-	al Region Air 3 Area Office, PO 5, WI, 53959.	oe addressed by the / 1 through I which precedes	submitted to the tent of Natural Reral Region Air g Area Office, PO g, WI, 53959	r the end of each	
(Conditions from Ub-LV-1-100)  b. Compliance Demonstration	curacy and completeness of the report.	(e) The content of the submittal is described in item D. of Part II of the op-	eration permit. [5, NR 439.03(1)(b), Wis. Adm. Code]	(2) Upon issuance of the operation permit, the permittee shall submit an annual	certification of compliance with the requirements of this permit to the Wisconsin Department of Natural Re-	Sources South Central Region Air Program, Reedsburg Area Office, Box 281, Reedsburg, WI, 53959.	(a) The time period to be addressed by the report is the January 1 through December 31 period which precedes the report.	(b) The report shall be submitted to the Wisconsin Department of Natural Resources South Central Region Air Program, Reedsburg Area Office, PO Box 281, Reedsburg, WI, 53959	within 30 days after the end of each reporting period.	
Conditions Applicable to the Entire Facility (Condition Type a. Limitations	AND THE PROPERTY OF THE PROPER									
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X Conditions Applic	Conditions Applicable to the Entire Facility [Conditions from 06-DCF-166]	96-DCK-166	
Condition Type	a, Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
		sponsible official as to the truth, accu-	
		[c NR 430 03(1)(c) Wise Adm Code)	
		יייין אין אין אין אין אין אין אין אין אי	
3. Malfunction Preven-	(1) A malfunction prevention and abate-	(1) The malfunction prevention and	(1) A written copy of the malfunction pre-
tion and Abatement	ment plan shall be prepared and fol-	abatement plan shall be developed to	vention and abatement plan shall
Plan.	lowed for the plant.	prevent, detect and correct malfunc-	kept at the plant and shall be updated
	[s. NR 439.11, Wis. Adm. Code]	tions or equipment failures which may	once every five years.
		cause any applicable emissions limita-	[s, NR 439.11(1), Wis. Adm. Code]
	(2) All air pollution control equipment	tion to be violated or which may cause	
	shall be operated and maintained in	air pollution.	(2) The facility shall maintain an inventory
	conformance with good engineering	[e NIP 439 11(1) Wie Adm Code]	of normal consumable items necessary
	practices (i.e. operated and maintained	[5, 145, 439,11(1), Wis. Auth. Code]	to ensure operation of the control de-
	according to manufacturer's specifica-	(a) This malfunction prevention and	vice(s) in conformance with the manu-
	tions and directions) to minimize the	abatement plan shall include installa-	facturer's specifications and recom-
	possibility for the exceedance of any	tion, maintenance and routine calibra-	mendations.
	emission limitations.	tion procedures for the process moni-	[s. NR 439.11, Wis. Adm. Code]
	[s. NR 439,11(4), Wis. Adm. Code]	toring and control equipment instru-	
		mentation. This plan shall require an	(3) The facility shall maintain records of (
	(3) The facility shall submit the plan to the	instrumentation calibration at the fre-	the instrumentation calibrations.
	Wisconsin Department of Natural Re-	quency specified by the manufacturer,	[s. NR 439.04, Wis. Adm. Code]
	sources South Central Region Air	yearly or at a frequency based on good	
	Program, Reedsburg Area Office, PO	engineering practice as established by	
	Box 281, Reedsburg, WI, 53959, for	operational history, whichever is more	(8) The facility shall notify the
	review. The department may amend the	frequent, Inspection and calibration	department's regional staff (Reedsburg
	plan if deemed necessary for	shall also be conducted whenever in-	office) of observed malfunctions of the
	malfunction prevention or for the	strumentation anomalies are noted.	processes or conditions which may be in
	reduction of excess emissions during	Ise NR 407 09(1)(c) 1 c NR	violation of the permit requirements
	malfunctions.	439.055(4) and s. NR 439.11, Wis.	including the identity of the process, the
	THE RESERVE TO A COMMENT OF THE PROPERTY OF TH	HINDERSON OF THE PARTY OF THE P	nature of the malfunction / condition, the

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Condition Type	n Type a, Limitations	b. Compliance Demonstration	<ul> <li>Reference Test Methods, Recordkeeping and Monitoring Requirements</li> </ul>
WANTED-CO	[s, NR 439.11(2), Wis. Adm. Code]	Adm, Code]	date and duration of the observed
		(b) The malfunction prevention and abatement plan shall require a copy of	malfunction / condition. This notification shall be provided electronically (e-mail) and in writing, within the next day
		for the control equipment to be main- tained on site. The plan shall contain all	following the initial occurrence of the malfunction / condition. [s. NR 439.03(4),
		of the elements in s. NR 439.11(1)(a) – (h), Wis. Adm. Code.	Wis. Adm. Code]
		[s. NR 439.11, Wis. Adm. Code]	
4. Stack Testing Re-	(1) If the compliance emission test(s) cannot be conducted within the time frames	(1) Emission tests of control devices and/or process emissions shall be conducted upon	(1) The facility shall maintain records of the results of testing conducted by the facility. [s.
	specified in this permit, the permit holder may request and the Department may	request by the department. [s. NR 439.03, and s. NR 439.06, Wis. Adm. Code]	NR 439.04, Wis. Adm. Code].
,	approve, in writing, an extension of time to		
	conduct the test(s).		
	[s. NR 439.07, Wis. Adm. Code]		
	(2) All testing shall be performed with the		
	emissions unit operating at capacity or as		
	accordance with approved procedures. If		
-	operation at capacity is not feasible, the		
	source shall operate at a capacity level		
	which is approved by the Department in writing.		
	[s. NR 439.07(1), Wis. Adm. Code]		
	(3) The Department shall be informed at least		

Condition Type a.		Į	
	Limpations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
	so a Department representative can witness		
	the testing. At the time of notification, a		
· ·	compliance emission test plan shall also be		
	submitted to the Department for approval.		
	When approved in writing, an equivalent		
	test method may be substituted for the		
	reference test method. The notification and		•
	test plan shall be submitted to the		
·	Wisconsin Department of Natural		
	Resources South Central Region Air		
	Program, Reedsburg Area Office, PO Box		
·	281, Reedsburg, WI, 53959.		
· ·	[ss. NR 439.07(1), 439.07(2), Wis. Adm.		
	Code]	·	
3	(4) Two copies of the report on the tests shall		
	be submitted to the Department for		
	evaluation within 60 days following the		
	tests.		
di Kayagamana ka	[s. NR 439.07(9), Wis. Adm. Code]		
	(5) VOC emission rate limits within the permit		
9 5	refers to the overall mass emission rate of all		
3 J	the VOCs as measured by Method 25 or 25A,		
	referred to as "VOCs as carbon," which may		
288	285.65(3), Wis. Stats.]		
dan ka aliuwwee			

r Reference Test Methods, Recordkeeping	and Monitoring Requirements	None Applicable.	and the second									(1) The facility shall maintain records of the total amount Ethanol produced (gallons of 200 proof equivalent including associated organics, prior to denaturing) by this facility on a monthly basis and the calculated monthly average Ethanol production. The facility shall include any off specification production within the total, but this may be adjusted to the total mass of Ethanol and associated organics produced (not the water fraction). [s. NR 439.04, Wis. Adm. Code]
5-DCF-166]	b. Compilance Demonstration	None Applicable.										(1) This shall be calculated according to:  P (avg.) = Σ Pi / n  where the summation is from 1 to n where n= months since initial operation, not to exceed n=12. Pi is the production in the ith month (in gallons of 200 proof equivalent Bthanol, including associated organics), for the most recent (up to 12) months. The facility may use calendar or accounting months, but may not change the basis selected without approval from the Department.  [s. 285.65(3), Wis. Stats.; s. NR 406.10, Wis. Adm. Code]
Conditions Applicable to the Entire Facility [Conditions from 06-DCF-166]	a, Limitations	(1) The construction permit 06-DCF-166	supersedes permit no. 02-RV-166 and	represents the applicable limits that apply	construction. Note that the monitoring	reporting and compliance certification	requirements of the current operation	permit remain in effect until the current	permit is superseded or revoked. [s.	285.65(3), Wis. Stats. and s. 285.65(7),	Wis, Stats.]	(1) Total Ethanol production (200 proof equivalent including associated organics, prior to denaturing) from the facility may not exceed 4.167 million gallons per month (averaged over 12 consecutive months). Prior to the first 12 months of operation, the averaging shall be conducted over the number of months since initial operation.:  [s. 285.65(3) and (7), Wis. Stats.; s. NR 406.10, Wis. Adm. Code]
X Conditions Applica	Condition Type	5. Supersedes.			-							6. Synthetic Minor Limitations

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Case: 3:09-cv-00139-bbc

18 The applicant relied upon use of fences and other physical barriers (e.g. buildings), to restrict access to the facility such that these areas were not considered "ambient air." The facility will be required to assure that the fences and other physical barriers are installed, and supervised to assure that the general public is excluded from the contained areas.

c. Reference Test Methods, Recordkeeping		(1) <u>Reference Test Method for Visible</u> (Fugitive Dust) emissions: Whenever compliance emissions testing is required, US EPA Method 22 shall be used to demonstrate compliance. [s. NR 439.06(9)(b), Wis. Adm. Code]	(2) The permittee shall keep daily records of the road conditions, evaluations, cleaning and	sweeping acuvines. [s. NR 439.04, Wis. Adm. Code]	(3) Facility shall keep copies of the fugitive dust plan at the facility available for inspection by the Department and available for use by the process operators. [s. NR 439,04, Wis. Adm.	Code]	(4) If using water or chemicals for dust control, the permittee shall record: (a) The date and time of the water or chemical	application, what was applied; and application, what was applied; and the facility where water or	(b) the area(s) at the factory many of the chemicals are applied.  [s. NR 439.04(1)(d), Wis. Adm. Code]	(5) The facility shall maintain prints, diagrams	and other tocumentation of the rather sports extensions, covered conveyors and/or other	controls used where practical to minimize fugitive dust. [s. NR 415.04, Wis. Adm. Code]			
h romitante Demonstration		(1) The permittee shall evaluate the road, scale, parking and material handling area conditions on a daily basis. [s. NR 415.04, Wis. Adm. Code]	(2) The permittee shall clean and sweep the roads, scale, parking, and material handling areas as needed to	revent fugitive dust emissions. The road, parking and material handling	areas of the facility, snall be paved (e.g. hard surfaced: concrete or asphalt paving). [s. NR 415.04, Wis. Adm. Code]	(3) Fabric spout extensions, covered	be used where practical to minimize theirive dust. [s. NR 415.04, Wis.	Adm. Code	(4) The facility shall prepare, submit, maintain and follow a fugitive dust plan for control of fugitive dust	emissions from the facility. This plan shall be updated and submitted	to the Wisconsin Department of Natural Resources; South Central	Region Air Program, Reedsburg Area Office, PO Box 281,	Reedsburg, WI, 53959for approval within 90 days following initial	operation of the facility. The Department may approve.	conditionally approve, conditionally deny, deny or amend the plan. [ s. NR 415.04, Wis. Adm. Code]
to the Entire Racinty [Committed around or Decrease]	a. Limitations	(1) Minimization of fugitive dust emissions: No person may cause, allow or permit any materials to be handled, transported or stored without taking precautions to prevent particulate matter from becoming airborne. Nor may a person allow a structure, a parking lot, or a road to be	used, constructed, atteaced, repaired, same plassed of demolished without taking such precautions. [s. NR 415.04, Wis. Adm. Code]												
X. Conditions Applicable to the Entire Facility	Condition Type	8. Particulate Matter Emissions (Fugitive Dust from the total facility; including F03, F04, F06, F08)										vykaed MATH			

	c. Reference Test Methods, Recordkeeping and Monitoring Requirements	(6) The facility shall maintain records of each open truck and whether the truck bed was covered upon entry and exit from the facility. The facility shall implement and document the means to insure that their trucking contractors comply with the requirements of b.(6). [s. NR 439.04, Wis. Adm. Code]
	b. Compliance Demonstration	(5) The permittee shall take precautions to prevent particulate matter from becoming airborne.  (a) Such precautions shall include, but not be limited to:  i. Use, where possible, of water or chemicals for control of dust in construction operations.  ii. Application of asphalt, water, suitable chemicals for plastic covering on dirt roads, material stockpiles and other surfaces which can create airborne dust, provided such application does not create a hydrocarbon, odor or water pollution problem.  iii. Installation and use of hoods, fans and air cleaning devices to enclose and vent the areas where dusty materials are handled.  iv. Covering or securing of materials likely to become airborne while being moved on public roads or railroads.  v. The paving or maintenance of roadway areas so as not to create air pollution.  [s. NR 415.04, Wis. Adm. Code]  (6) The facility shall require and insure that all open grain or product trucks have the truck bed covered when entering and leaving the facility. This shall be incorporated within the fugitive dust plan. [s. NR 415.04, Wis. Adm. Code]
[Conditions from 06-DCF-166]	AMERICAN AND AND AND AND AND AND AND AND AND A	
Conditions Applicable to the Entire Facility	a. Limitations	
X. Conditions Applic	Condition Type	

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Condition Type	iftion Type a. Limitations b.	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
			None Amilicable.
1. Construction Noti-	(1) The permittee shall inform the Wiscon-	None Applicable,	
fication.	sin Department of Natural Resources,		
	South Central Region Air Program,		
	Reedsburg Area Office, PO Box 281,		
	Reedsburg, WI, 53959, in writing of		
	the following for the emissions unit		
	covered in this permit:		
	(a) Notice of commencing construction		
	shall be submitted within 15 days of		
-	the start of construction.		
	(b) Notice of intent to initially operate the		
	source(s) covered by this permit, 30		
	days prior to the anticipated date of		
	initial operation.		
	(c) Notice of the actual date of initial		
	startup shall be submitted within 15	-	
·	days of the initial startup.		
	[s. NR 439.03(1), Wis. Adm. Code]		
2. Construction Permit	(1) This authorization to construct expires	None Applicable.	None Applicable.
Expiration.	18 months after the date of issuance.		
•	Construction or modification and an		
- -	initial operation period for equipment		
	shakedown, testing and Department		
	evaluation of operation to assure con-		
	formity with the permit conditions is		
	authorized for each emissions unit cov-		
	ered in this permit. Please note that the	•	
	sources covered by this permit are re-		
	quired to meet all emission limits and		_ ·

Condition Type	a. Limitations	b. Compliance Demonstration	c. Reference Test Methods, Recordkeeping and Monitoring Requirements
	conditions contained in the permit at all times, including during the initial on-	TO ANALYZE TAKA TERPETA ANALYZE ANALYZ	ANNALE TELE CANCELLA CONTRACTOR AND ANALEST C
	eration period. If 18 months is an insuf-		
	ficient time period for construction or		
	modification, equipment shakedown,		
	testing and Department evaluation of		
	operation, the permit holder may re-		
	quest and the Department may approve		
	authorization The conditions of the		
	construction permit are normanent		·
	unless revised, modified, superseded or		
	revoked.		
	[ss. 285.60(1)(a)2. and 285.66(1), Wis.		
	Stats.; s. NR 406.12, Wis. Adm. Code]		
3. Completion of Op-	(1) Compliance information required to	None Applicable.	None Applicable.
eration Fermit Ap-	complete the operation permit applica-		•
pication.	uon for the emission units included in		
-	Linis permit should be submitted to the		
	UNK at least 4 months prior to the ex-		
	piration of the Construction Permit.		
	(2) Operation of the source(s) covered by		
	this permit after this permit expires is		
	prohibited unless a complete operating		
	permit application for the source(s) has been submitted to the Department.		
	[s. 285.60(1)(b)]. Wis State on MP		
A TO A COLUMN TO A	407.04(1)(b), Wis. Adm. Code]		
		Andrewski, The Control of the Contro	
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Y. Construction Permi	y. Construction Permit Conditions Applicable to the Entire Facinty.	V. CURINATION OF THE CONTRACTION	c. Reference Test Methods, Recordkeep
Condition Type	a. Limitations	b, computance periodistration	and Monitoring Requirements
	(1) Any owner or operator who fails to		
4. Violations	construct a stationary source in accordance with		
	the application as approved by the Department,		
	any owiter or operator was some in accordance		
	with conditions imposed by the department		
	under s. 285.65, Stats.; any owner or operator		
.,	who modifies a stationary source in violation of		
	conditions imposed by the department under s.		-
	285.65, Stats.; or any owner or operator who		
	commences construction or modification of a		
	stationary source without applying for and		
	receiving a permit as required under ch. 1915		
	violation of s. 285,60, Stats. [s. NR 406.10,		
	Wis, Adm. Code]	1	
			_

# PART II General Permit Conditions For Construction Permits Issued To Direct Stationary Sources

#### A. Scope

This permit is valid only for the structure, building, facility, equipment or operation specifically identified herein. All emissions authorized hereby shall be in compliance with the terms and conditions of Parts I and II of this permit. [s. 285.60(7), Wis. Stats.]

### B. Emissions Probibited

Unless the Department has approved an exception under s. NR 436.03(2), no person may cause, allow, or permit emissions of any air contaminant into the ambient air in excess of the limits set in chs. NR 400 to 499, Wis. Adm. Code. [s. NR 436.03(1), Wis. Adm. Code]

#### C. General Emission Limits

- No person may cause, allow, or permit particulate matter to be emitted into the ambient air which substantially contributes to exceeding of an air standard, or creates air pollution. [s. NR 415.03, Wis. Adm. Code]
- 2. No person may cause, allow, or permit any materials to be handled, transported, or stored without taking precautions to prevent particulate matter from becoming airborne. Nor may a person allow a structure, a parking lot, or a road to be used, constructed, altered, repaired, sand blasted or demolished without taking such precautions. Such precautions shall include, but not be limited to the following [s. NR 415.04, Wis. Adm. Code]:
  - a. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, or construction operations.
  - b. Application of asphalt, oil, water, suitable chemicals, or plastic covering on dirt roads, material stockpiles, and other surfaces which can create airborne dust, provided such application does not create a hydrocarbon, odor, or water pollution problem.
  - c. Installation and use of hoods, fans and air cleaning devices to enclose and vent the areas where dusty materials are handled.
  - d. Covering or securing of materials likely to become airborne while being moved on public roads, railroads, or navigable waters.
  - e. Conduct of agricultural practices such as tilling of land or application of fertilizers in such manner as not to create air pollution.
  - f. The paving or maintenance of roadway areas so as not to create air pollution.
- 3. No person may cause, allow or permit emission of sulfur or sulfur compounds into the ambient air which substantially contribute to the exceeding of an air standard or cause air pollution. [s. NR 417.025, Wis. Adm. Code]
- 4. No person may cause, allow or permit organic compound emissions into the ambient air which substantially contribute to the exceeding of an air standard or cause air pollution. [s. NR 419.03(1), Wis. Adm. Code]
- 5. No person may cause, allow or permit the disposal of more than 5.7 liters (1.5 gallons) of any liquid Volatile Organic Compound (VOC) waste, or of any liquid, semisolid or solid waste materials containing more than 5.7 liters (1.5 gallons) of any VOC, in any one day from a facility in a manner that would permit their evaporation into the ambient air during the ozone season. This includes, but is not limited to, the disposal of VOC which must be removed from VOC control devices so as to maintain the control devices at their required operating efficiency. Disposal during the ozone season shall be by methods approved by the Department, such as incineration, recovery for reuse, or transfer in closed containers to an acceptable

- disposal facility, such that the quantity of VOC which evaporates into the ambient air does not exceed 15% (by weight) or 5.7 liters (1.5 gallons) in any one day, whichever is larger. [s. NR 419.04, Wis. Adm. Code]
- No person may cause, allow or permit emissions of carbon monoxide to the ambient air which substantially contribute to the exceeding of an air standard or cause air pollution. [s. NR 426.03, Wis. Adm. Code]
- 7. No person may cause, allow or permit emissions into the ambient air of lead or lead compounds which substantially contribute to the exceeding of an air standard or air increment, or which create air pollution. [s. NR 427.025, Wis. Adm. Code]
- 8. No person may cause, allow, or permit nitrogen oxides or nitrogen compounds to be emitted to the ambient air which substantially contribute to the exceeding of an air standard or cause air pollution. [s. NR 428.03, Wis. Adm. Code]
- 9. No person may cause, allow or permit emission into the ambient air of any substance or combination of substances in such quantities that an objectionable odor is determined to result unless preventive measures satisfactory to the Department are taken to abate or control such emission. [s. NR 429.03(1), Wis. Adm. Code]
- 10. Open burning is prohibited except as provided in s. NR 429.04, Wis. Adm. Code. [s. NR 429.04, Wis. Adm. Code]
- 11. No person may cause, allow or permit emissions into the ambient air from any direct or portable source in excess of one of the limits specified in ch. NR 431, Wis. Adm. Code. Where the presence of uncombined water is the only reason for failure to meet the requirements of ch. NR 431, Wis. Adm. Code, such failure is not a violation of the chapter. [s. NR 431.03, Wis. Adm. Code]
- 12. No person may cause, allow, or permit emissions into the ambient air of any hazardous substance in such quantity, concentration, or duration as to be injurious to human health, plant or animal life unless the purpose of that emission is for the control of plant or animal life. Hazardous substances include, but are not limited to, hazardous air contaminants listed in Tables 1 to 4 of s. NR 445.04, Wis. Adm. Code. [s. NR 445.03, Wis. Adm. Code]
- 13. Chapter NR 447, Wis. Adm. Code, applies to all air contaminant sources which may emit asbestos, to their owners and operators and to any person whose action causes the emission of asbestos to the ambient air, owners and operators and renovation activities. Chapter NR 447, Wis. Adm. Code, establishes emission limitations for asbestos air contaminant sources, establishes procedures to be followed when working with asbestos materials and contains additional reporting and record keeping requirements for owners or operators of asbestos air contaminant sources in order to protect air quality. [ch. NR 447, Wis. Adm. Code]
- 14. When the department requires instrumentation to monitor the operation of air pollution control equipment, or to monitor source performance, the instrument shall measure operational variables with the following accuracy: [s. NR 439.055(3), Wis. Adm. Code]
  - a. The temperature monitoring device shall have an accuracy of 0.5% of the temperature being measured in degrees Fahrenheit or  $\pm 5^{\circ}$ F of the temperature being measured, or the equivalent in degrees Celsius (centigrade), whichever is greater.
  - b. The pressure drop monitoring device shall be accurate to within 5% of the pressure drop being measured or within ±1 inch of water column, whichever is greater.
  - c. The current, voltage, flow or pH monitoring device shall be accurate to within 5% of the specific variable being measured.
- 15. All instruments used for measuring source or air pollution control equipment operational variables shall be calibrated yearly or at a frequency based on good engineering practice as established by operational history, whichever is more frequent. [s. NR 439.055(4), Wis. Adm. Code]

### D. Reporting Requirements

1. The Department shall be notified of the following events:

#### Event

- a. Hazardous substance air spill
- b. Malfunction or other unscheduled event which causes or may cause any emission limitation to be exceeded [except certain visible emission limit exceedances – see s. NR 439.03(4), Wis. Adm. Code].
- c. Deviation from any other condition specified in this permit.

### Timing

Immediate call: 1-800-943-0003

Notification by next business day of any such event at the source which is not reported in advance to the Department. Report the cause and duration of the exceedance, the period of time considered necessary for correction, and measures taken to minimize emissions during the period

Notification by next business day identifying the deviation, cause, duration and steps taken to prevent recurrence.

[ss. 292.11(2) and 285.65(10), Wis. Stats., and ss. NR 439.03(4) and 445.08, Wis. Adm. Code]

- 2. The permittee shall report to the Department, in advance, schedules for planned shutdown and startup of air pollution control equipment and the measures to be taken to minimize the down time of the control equipment while the source is operating. Scheduled maintenance or any other scheduled event, including startup, shutdown or sootblowing procedures which have been approved by the Department under s. NR 436.03(2)(b), which causes an emission limit to be exceeded shall also be reported in advance to the Department. Advance reporting pursuant to this permit condition does not relieve any person from the duty to comply with any applicable emission limitations. [s. NR 439.03(6), Wis. Adm. Code]
- 3. Except for information determined to be confidential under s. 285.70(2), Wis. Stats., any information or reports obtained by the Department in the administration of ss. 285.01 to 285.87 and 299.15, Wis. Stats., will be available for public inspection at the offices of the Department. [s. 285.70(1), Wis. Stats.]

### E. Right of Entry and Inspection

The permittee shall allow authorized representatives of the Department to enter upon the permittee's premises at any reasonable time, to have access to and examine any record relating to emissions or required to be kept, and to make any inspection necessary to ascertain compliance with air pollution control laws and the terms of this permit. The Department may, for the purpose of determining a source's compliance with applicable requirements, sample or monitor at reasonable times production materials or other substances or operational parameters. [ss. 285.13(6) and 285.19, Wis. Stats., and s. NR 439.05, Wis. Adm. Code]

## F. Malfunction Prevention and Abatement Plans

The owner or operator of any direct or portable source which may emit hazardous substances or emits more than 15 pounds in any day or 3 pounds in any hour of any air contaminant for which emission limits have been adopted shall prepare a written malfunction prevention and abatement plan to prevent, detect, and correct malfunctions or equipment failures which may cause any applicable emission limitation to be violated or which may cause air pollution. Any such plan shall be carried out by the owner or operator. The plan shall be updated at least every 5 years. The Department may require the plan to be submitted for review and approval. [s. NR 439.11, Wis. Adm. Code]

### G. Emission Control Action Plan

For source(s) covered by this permit which emit 0.25 tons or more per day of any air contaminant for which air standards have been adopted, the permittee shall prepare an emission control action program, consistent with good industrial practice and safe operating procedures, for reducing the emission of air contaminants into the outdoor atmosphere during periods of an air pollution alert, air pollution warning or air pollution emergency declared under s. NR 493.03(2), Wis. Adm. Code. The emission control action

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program shall be in writing, available on the premises and is subject to review and approval by the Department on request. [s. NR 493.04, Wis. Adm. Code]

## H. Construction, Reconstruction, Replacement, Relocation or Modification

- 1. Unless the replacement is authorized by a permit or is exempt under s. NR 406.04, Wis. Adm. Code, replacement of the source(s) covered by this permit is prohibited. [s. 285.60(1)(a), Wis. Stats.]
- 2. No person may commence construction, reconstruction, replacement, relocation or modification of a stationary source unless the person has a construction permit for the source or unless the source is exempt from the requirement to obtain a permit under s. 285.60(5), Wis. Stats., or under ch. NR 406, Wis. Adm. Code. Applications for the construction permit shall be submitted on forms which are available from the Department at its Madison headquarters and district offices. [s. 285.60(1)(a), Wis. Stats.]

Note: The address of the Madison headquarters is: Wisconsin Department of Natural Resources, Bureau of Air Management, PO Box 7921, Madison, WI 53707, Attention: Permit Application Forms

For new or modified sources for which no construction permit is required, the application for an operation permit shall be filed before the source commences construction or modification. [s. NR 407.04, Wis. Adm. Code

## Payment of Construction Permit Application Fees

Any person who obtains a construction permit shall pay the application fee within thirty days of the date of the billing statement. [s. NR 410.03(4), Wis. Adm. Code]

## Construction Permit Revision, Suspension, and Revocation

A construction permit may be suspended, revoked or revised, in whole or in part, for cause. [s. NR 406.11, Wis. Adm. Code]

### K. Circumvention

- The installation or use of any article, machine, equipment, process, or method which conceals an emission which would otherwise constitute a violation of an applicable rule is prohibited unless written approval has been obtained from the Department. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance and the unnecessary separation of an operation into parts to avoid coverage by a rule that applies only to operations larger than a specified size. [s. NR 439.10, Wis. Adm. Code]
- 2. No one may render inaccurate any monitoring device or method required under ch. NR 439, Wis. Adm. Code, or in this permit. [s. NR 439.03(12), Wis. Adm. Code]

### L. Violations

Any owner or operator who fails to construct a stationary source in accordance with the application as approved by the department; any owner or operator who fails to construct and operate a stationary source in accordance with conditions imposed by the department under s. 285.65, Wis. Stats.; any owner or operator who modifies a stationary source in violation of conditions imposed by the department under s. 285.65, Wis. Stats.; or any owner or operator who commences construction or modification of a stationary source without applying for and receiving a permit as required under this chapter or ch. NR 408 shall be considered in violation of s. 285.60, Wis. Stats. [s. NR 406.10, Wis. Adm. Code]

### M. Duty to Comply

Approval to construct or modify does not relieve any owner or operator of the responsibility to comply with the emission limits of chs. NR 400 to 499, the air quality standards of ch. NR 404 or the control strategies of all local, state and federal regulations which are part of the state implementation plan. [s. NR 406.13, Wis. Adm. Code]

## N. Recordkeeping Requirements

- The permittee shall maintain the following records:
  - Records of all sampling, testing and monitoring conducted or required under chs. NR 400 to 499 or

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under this permit. Records of sampling, testing or monitoring shall include the following:

- 1) The date, monitoring site and time and duration of sampling, testing, monitoring or measurements.
- 2) The dates the analyses were performed.
- 3) The company or entity that performed the analysis.
- 4) The analytical techniques or methods used, including supporting information such as calibration and maintenance records of all original recording charts for continuous monitoring instrumentation including emissions or equipment monitors.
- 5) The results of the analyses.
- 6) The relevant operating conditions that existed at the time of sampling, testing, monitoring or measurement.
- Records detailing all malfunctions which cause any applicable emission limitation to be exceeded, including logs to document the implementation of the plan required under s. NR 439.11, Wis. Adm. Code:
- c. Records detailing all activities specified in any compliance schedule approved by the Department under chs. NR 400 to 499, Wis. Adm. Code; and
- d. Any other records relating to the emission of air contaminants which may be requested in writing by the Department.

[s. NR 439.04, Wis. Adm. Code]

2. Copies of all records and reports required under this permit shall be retained by the permittee for a period of 5 years. [s. NR 439.04(2), Wis. Adm. Code]

### O. Required Air Emission Inventory Reports

The permittee shall annually submit to the Department an emission inventory report of annual, actual emissions or throughput information in accordance with ch. NR 438, Wis. Adm. Code. [s. NR 438.03, Wis. Adm. Code]

### P. Annual Emission Fees

The permittee shall pay an annual emissions fee to the Department at the rate specified in s. 285.69(2), Wis. Stats. [ss. NR 410.04 and NR 407.09(1)(e), Wis. Adm. Code]